

HISTOIRE
PHYSIQUE, NATURELLE ET POLITIQUE
DE
MADAGASCAR.

PARIS,
LIBRAIRIE HACHETTE ET C^{IE},
BOULEVARD SAINT-GERMAIN, 79.

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NH

HISTOIRE
PHYSIQUE, NATURELLE ET POLITIQUE
DE
MADAGASCAR

PUBLIÉE
PAR ALFRED GRANDIDIER.

VOLUME XV.
HISTOIRE NATURELLE DES OISEAUX

PAR
MM. ALPH. MILNE EDWARDS ET ALF. GRANDIDIER.

TOME IV. — ATLAS. — III.



PARIS.

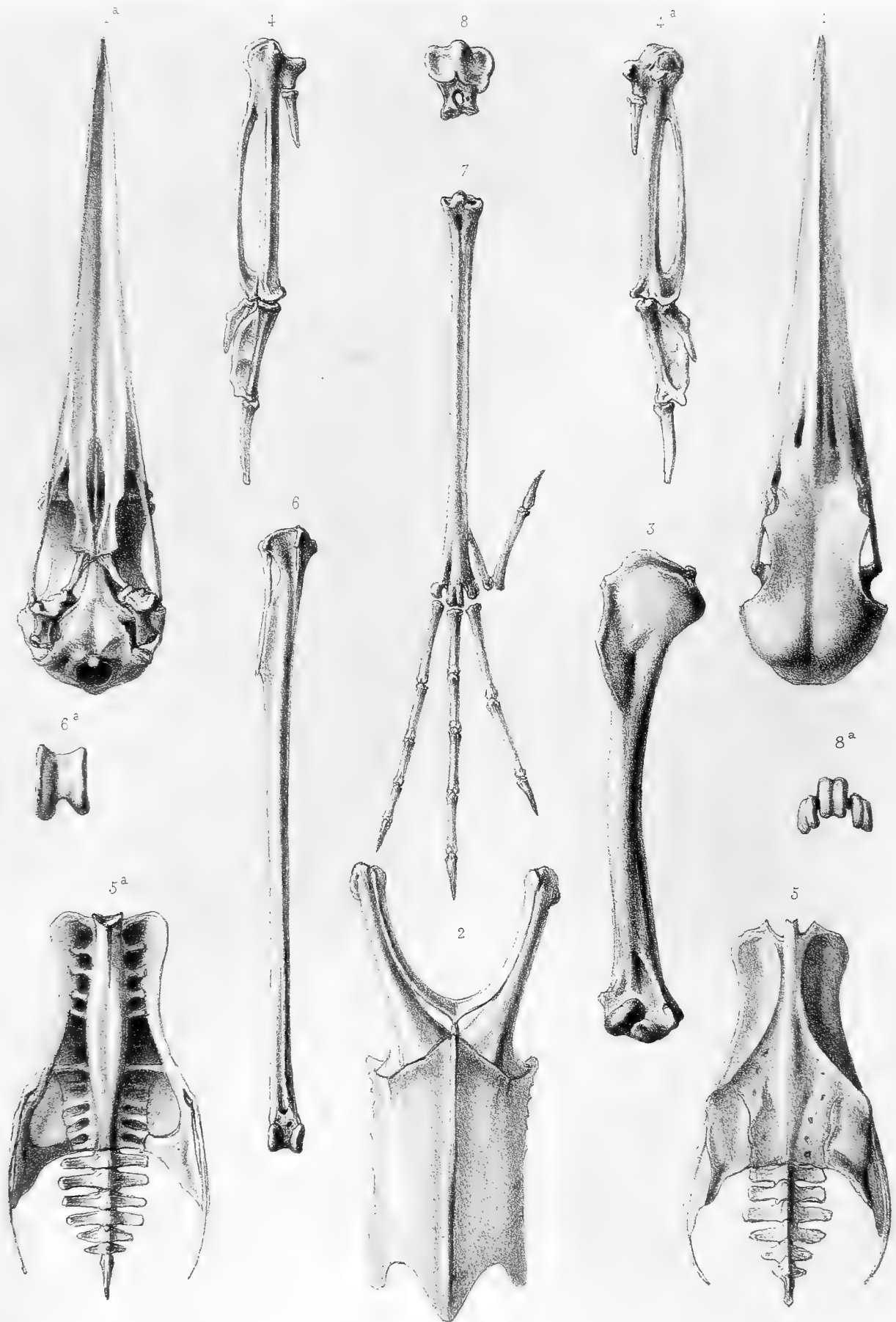
IMPRIMÉ, PAR AUTORISATION DE M. LE GARDE DES SCEAUX,
À L'IMPRIMERIE NATIONALE.

M DCCC LXXXI.





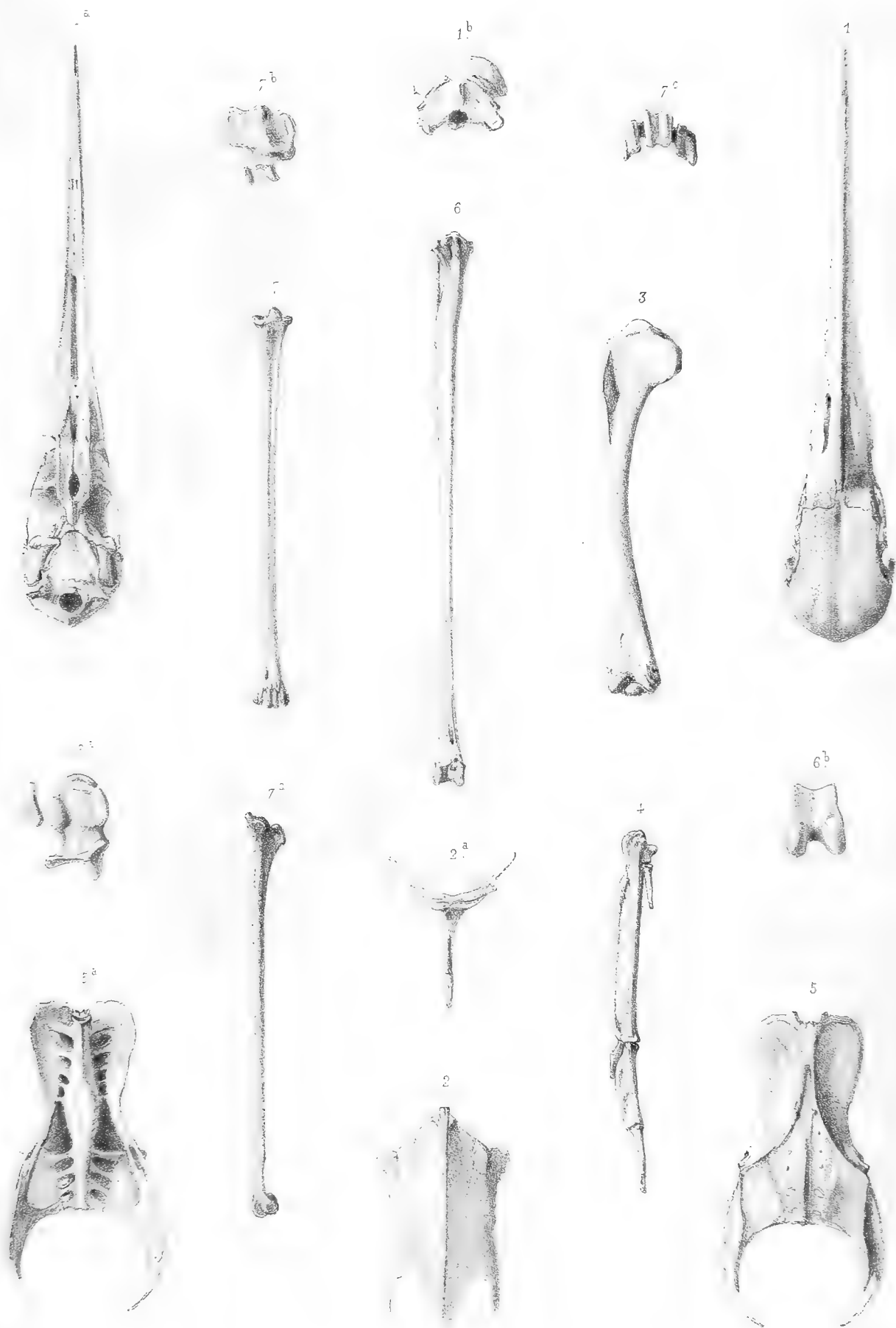






Anas platyrhynchos



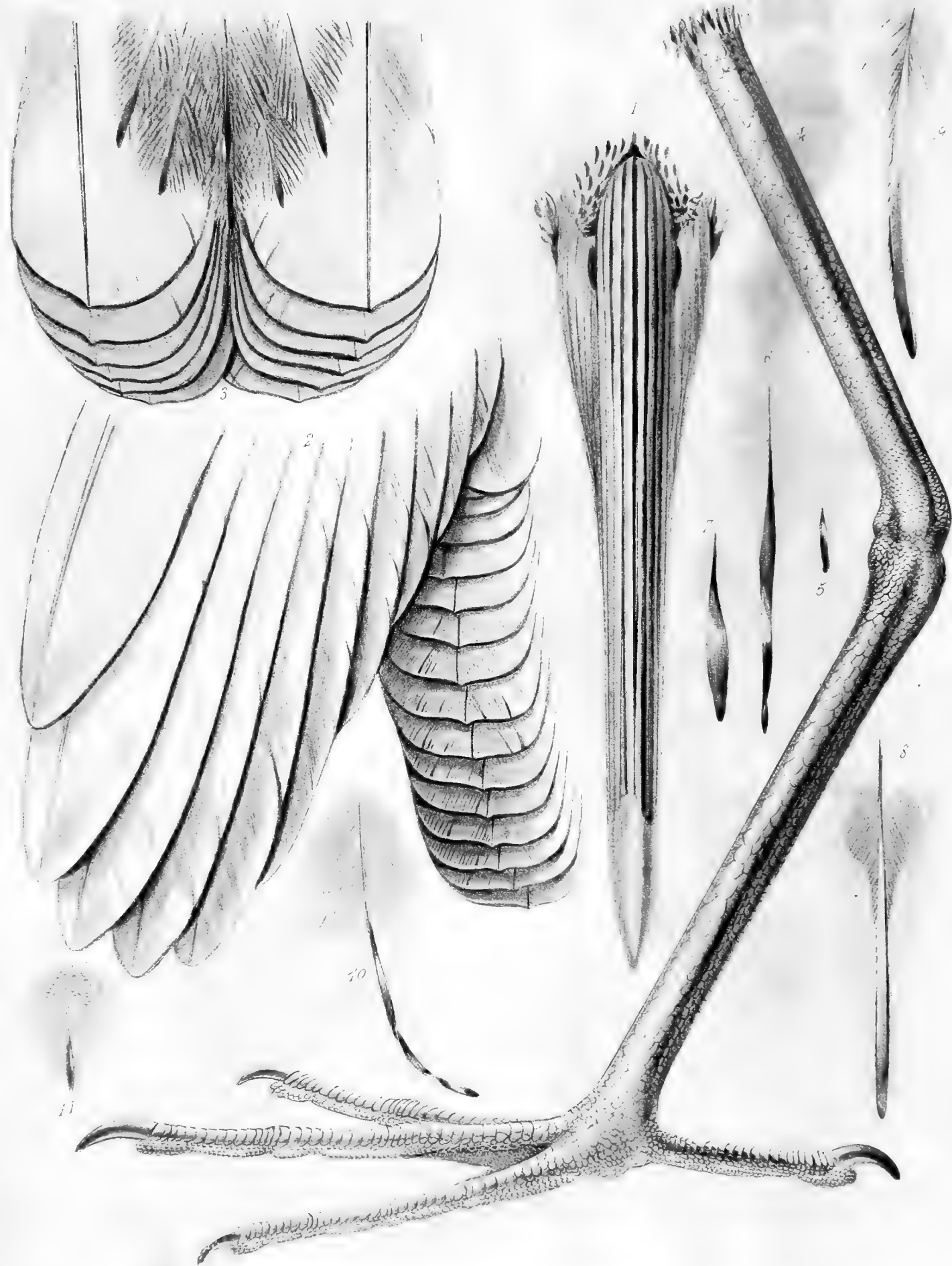




Kuntzenans. del.

Anastomus madagascariensis



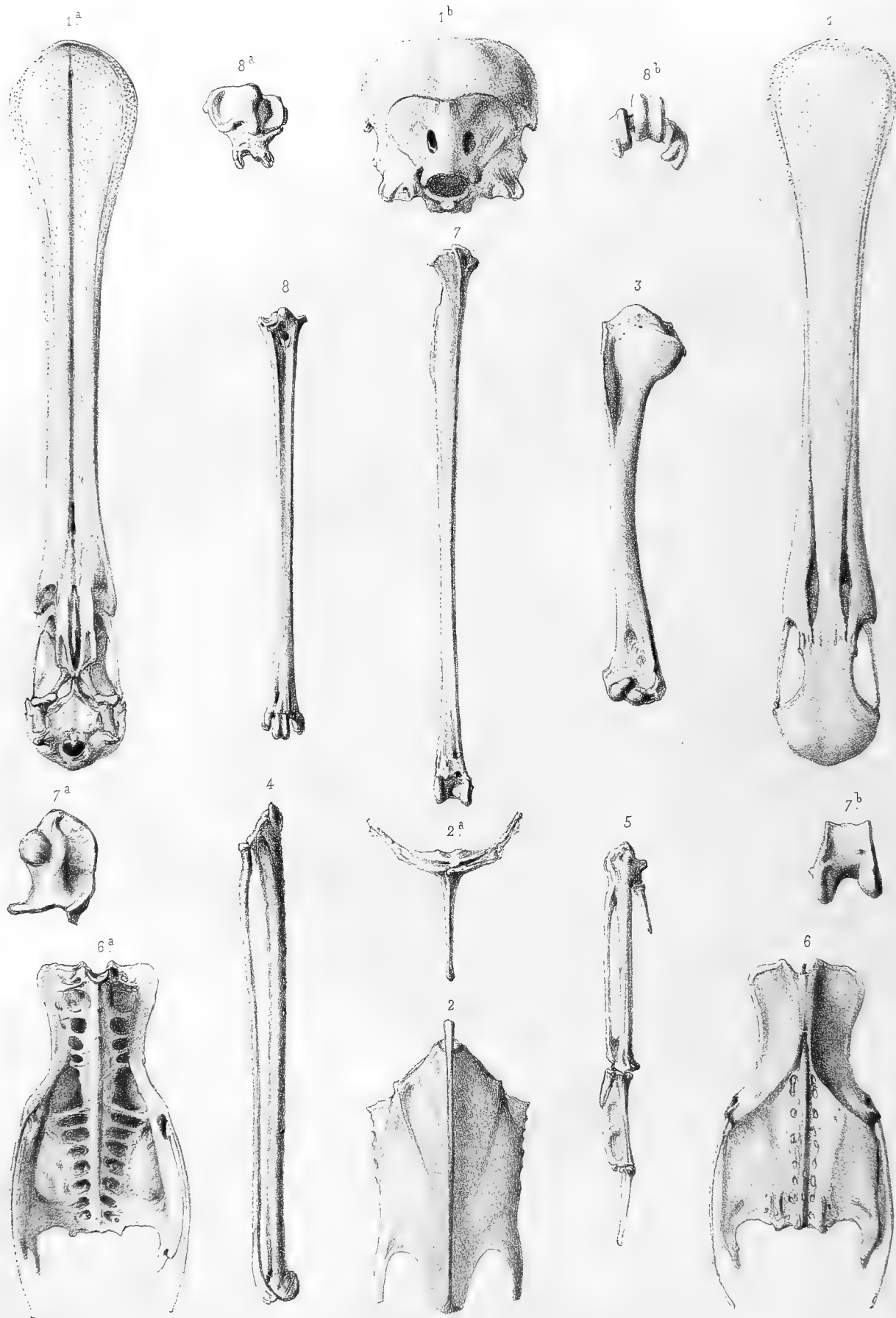


Anastomus madagascariensis



Platula Tigrina







Paulman. del.

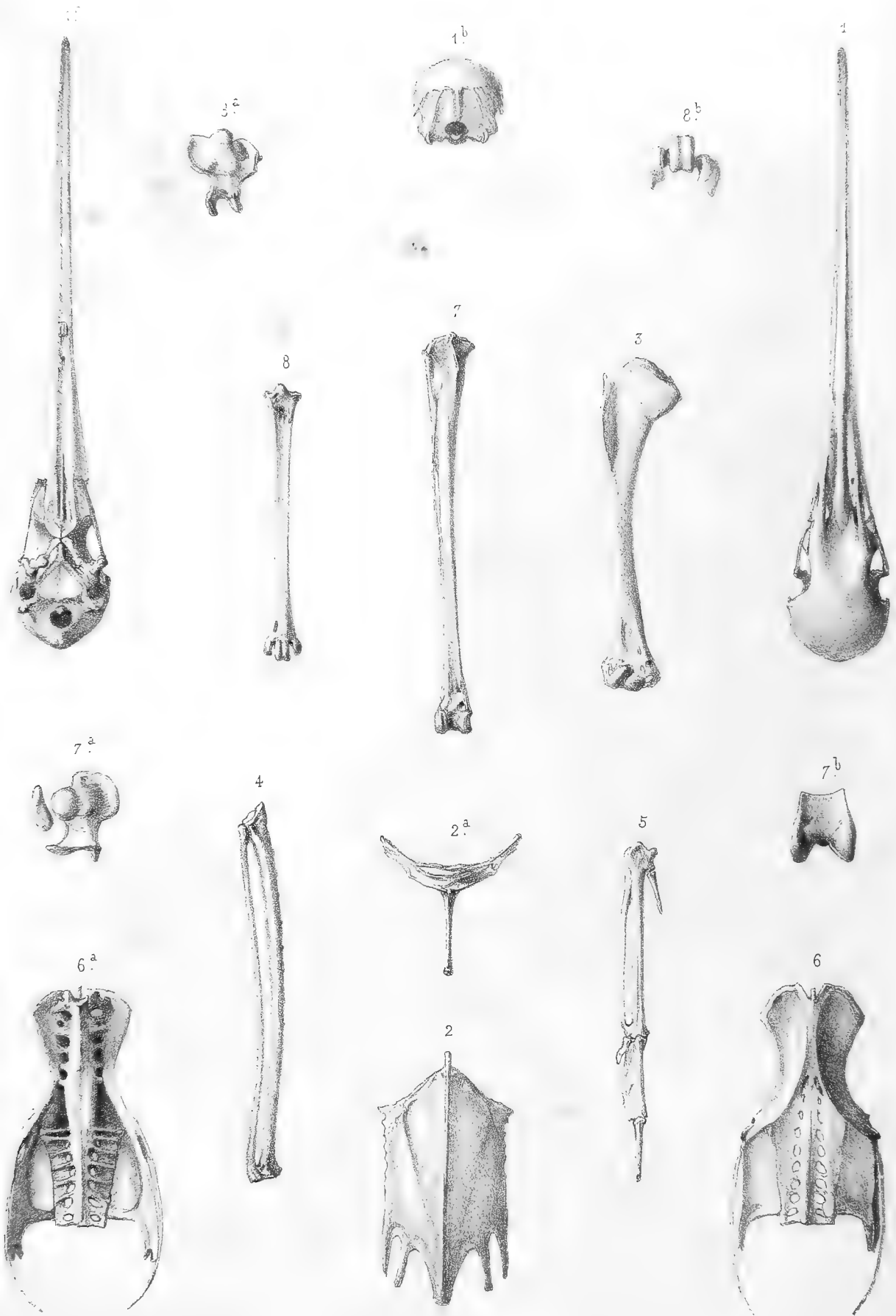
Ibis aethiopica, var. Bernieri.

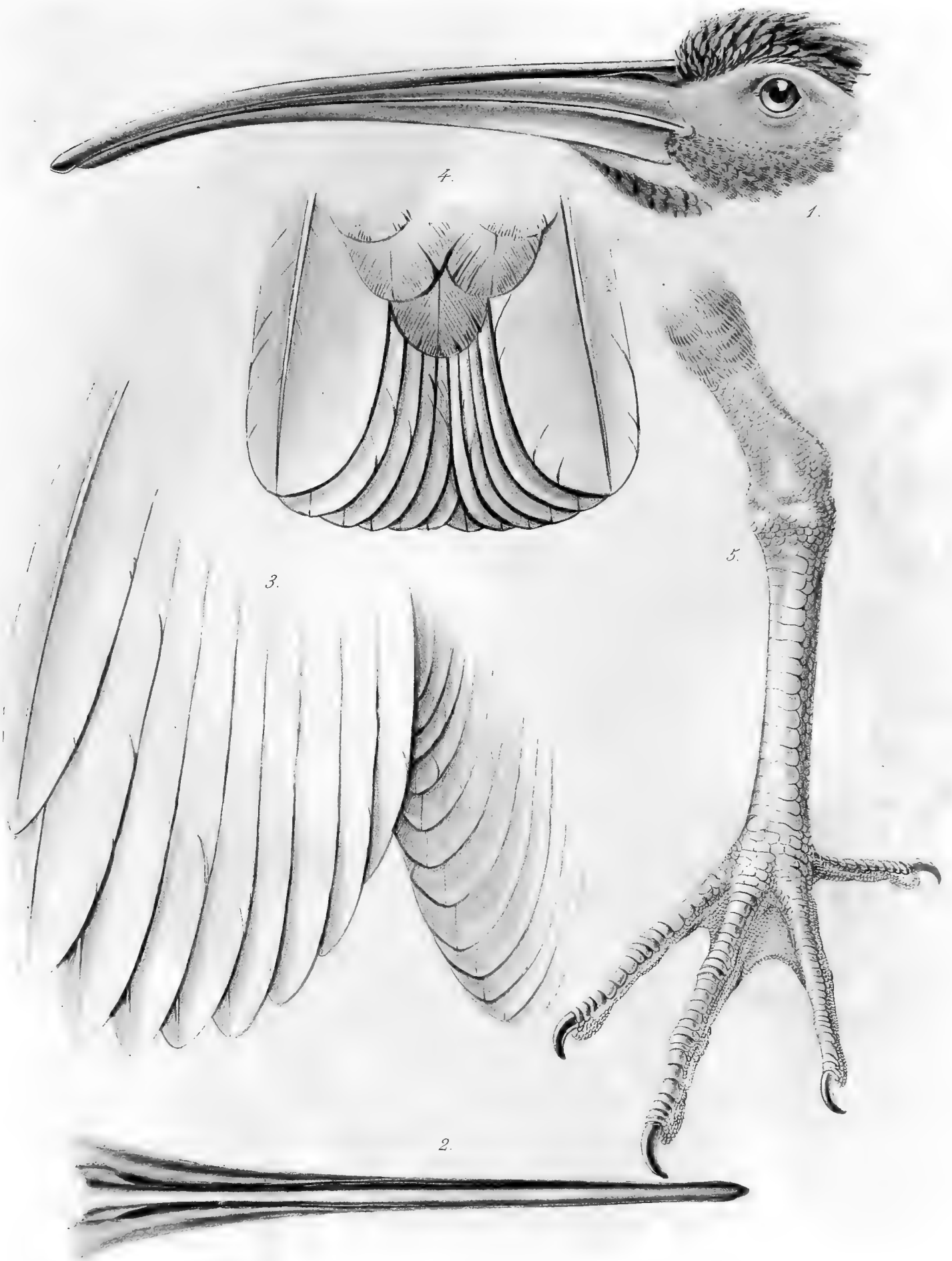












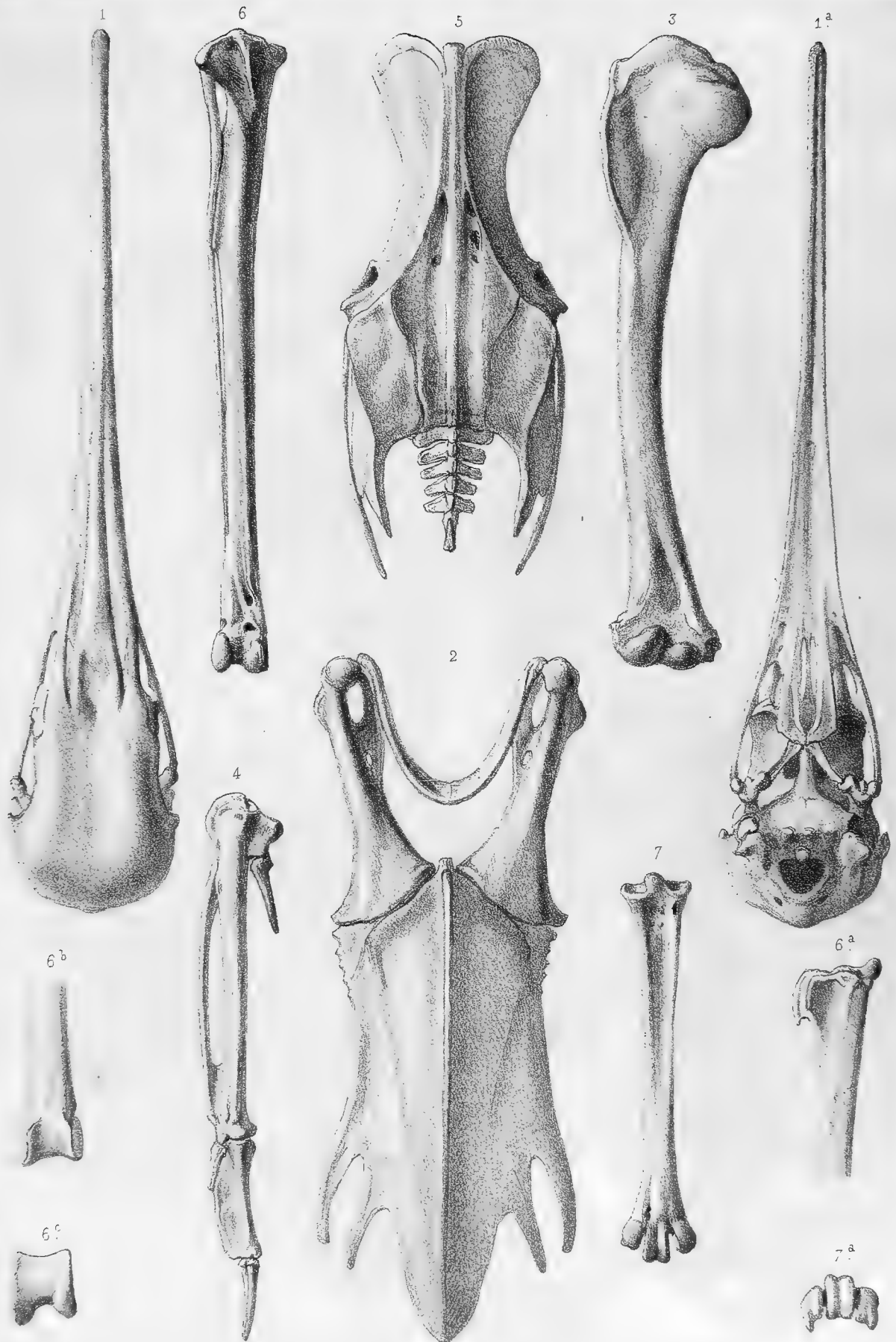
Ibis cristata.











Louveau lith.

Imo. Becquet. Paris

Ibis cristata.



L. Macmillan

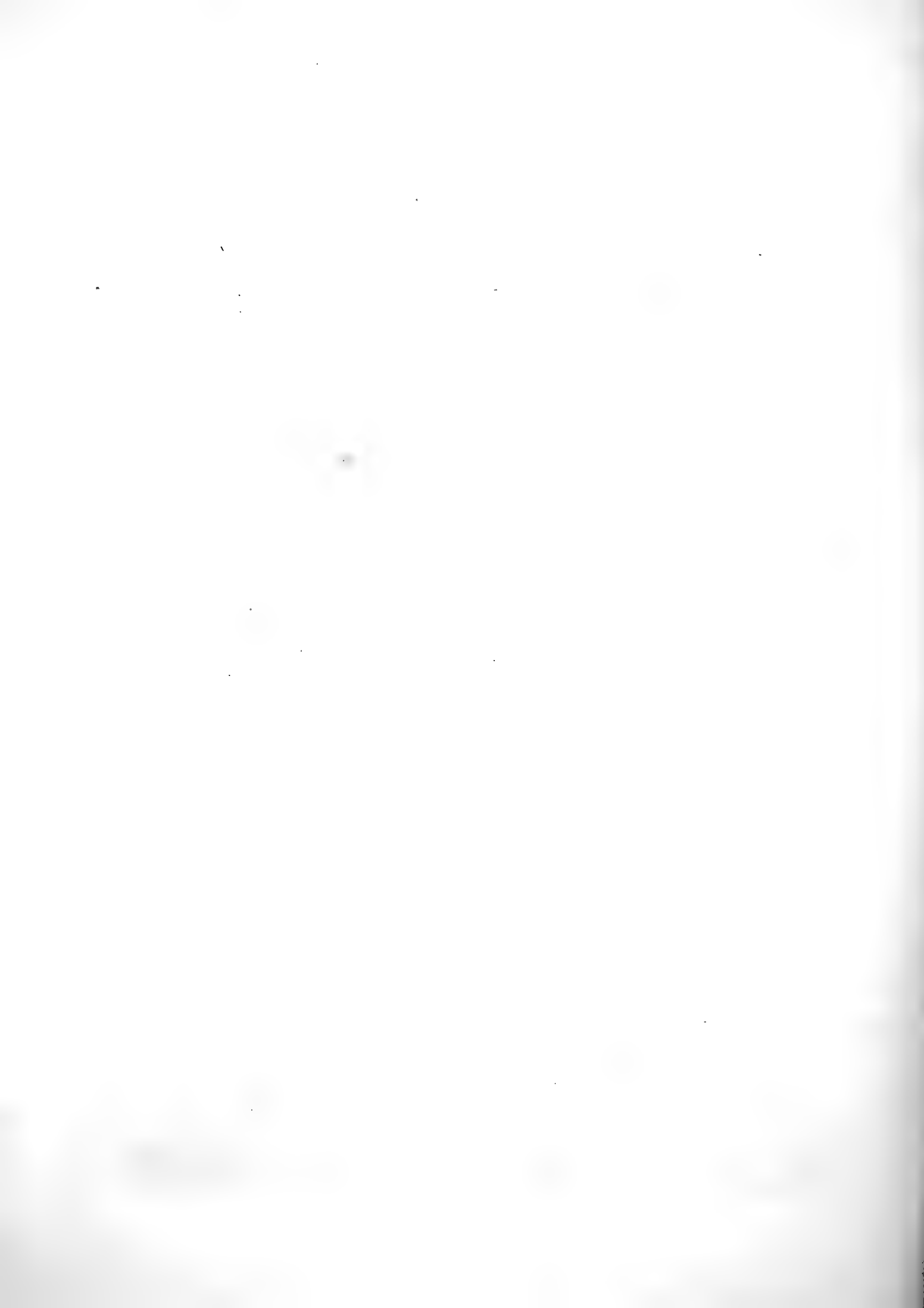
W. Wood

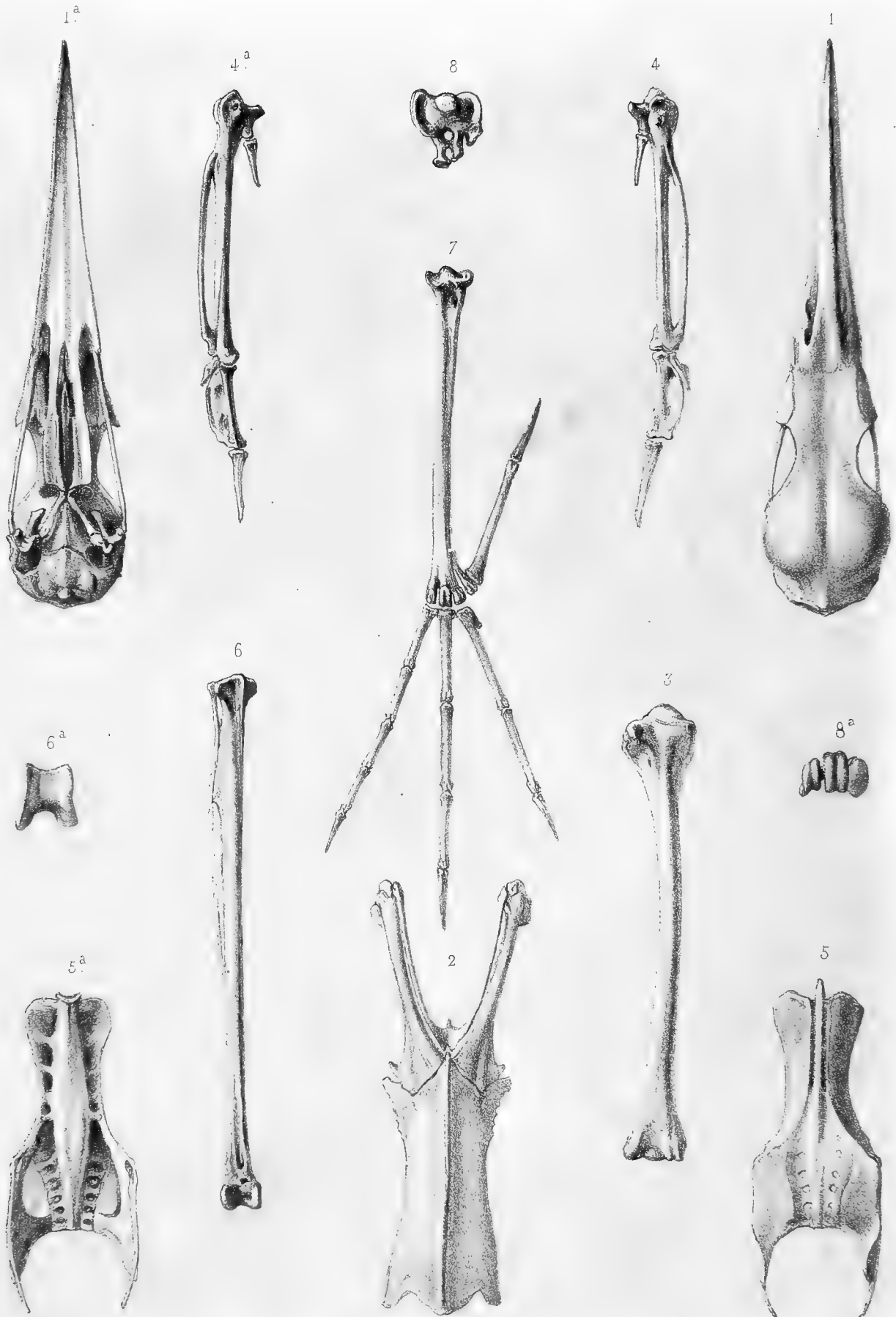
Ardia ardiostoma

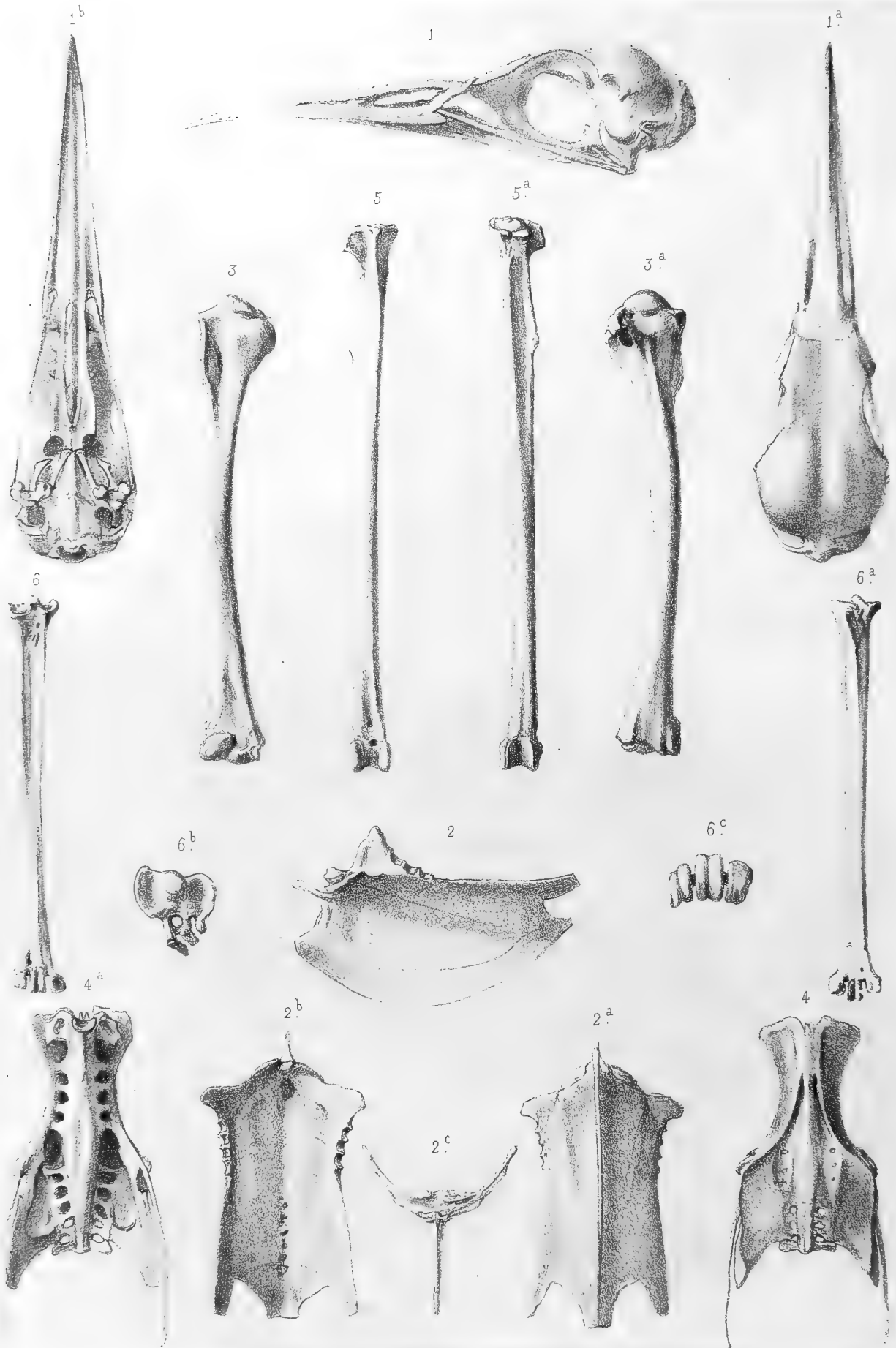




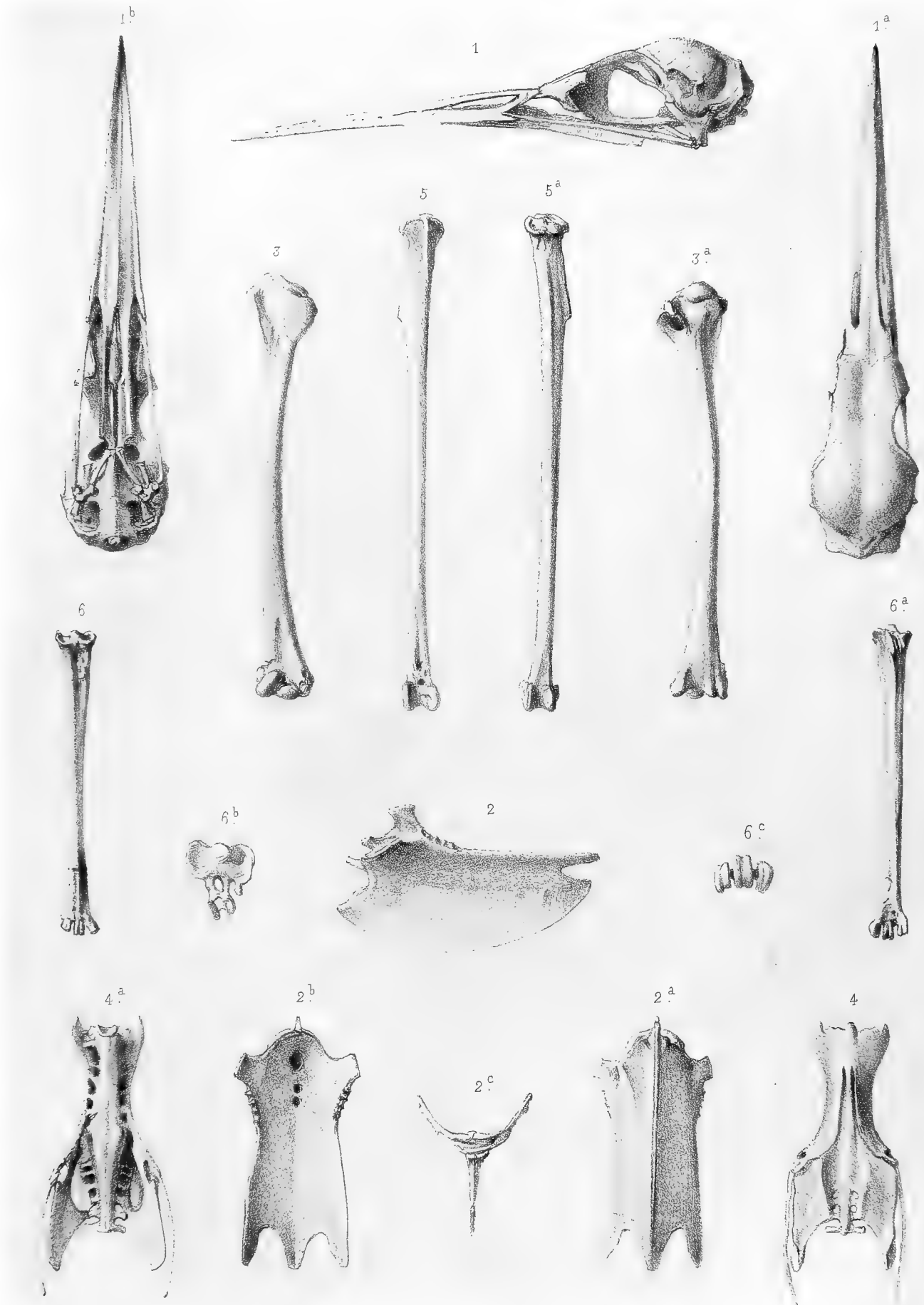












Ardea comata.

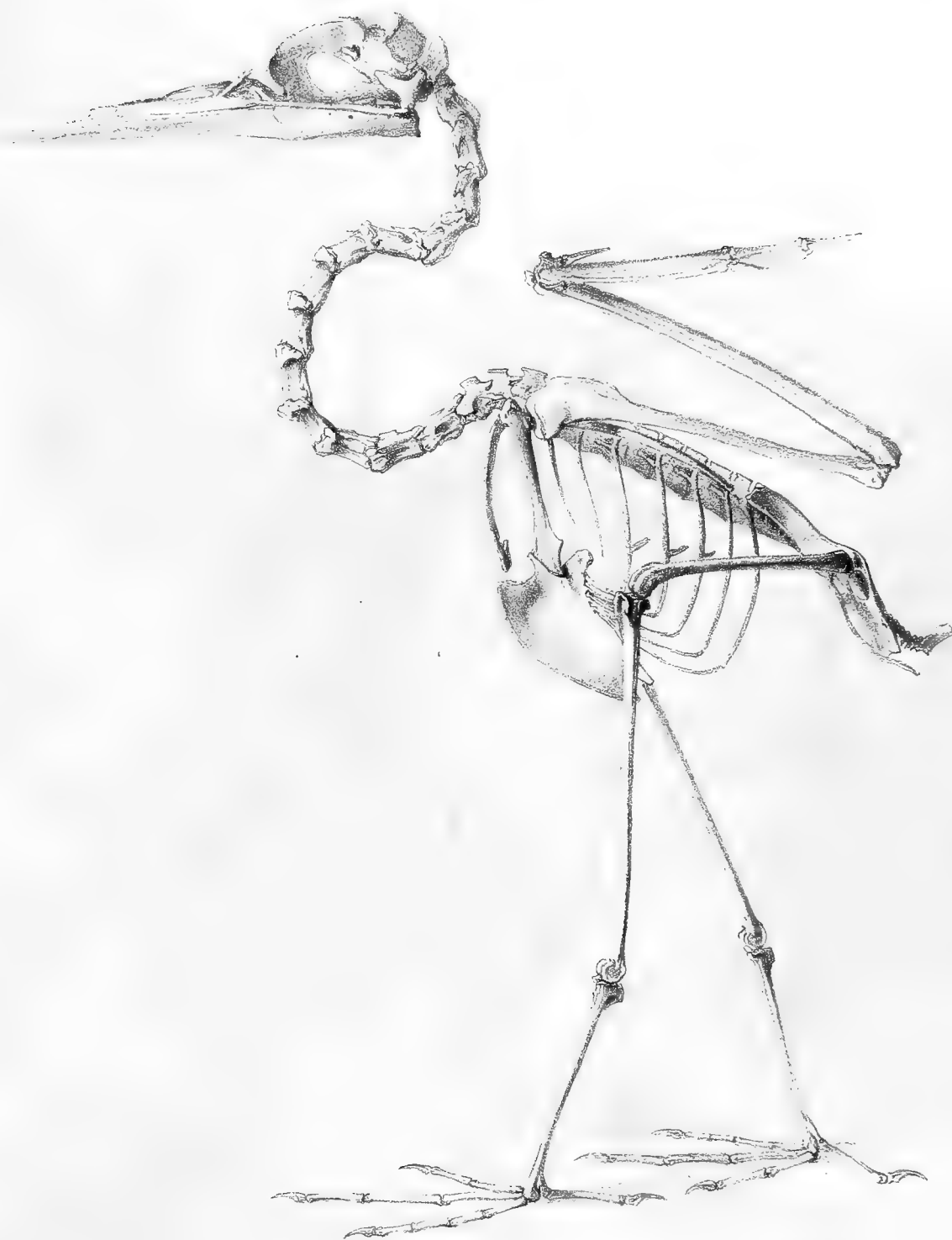


$\frac{2}{3}$

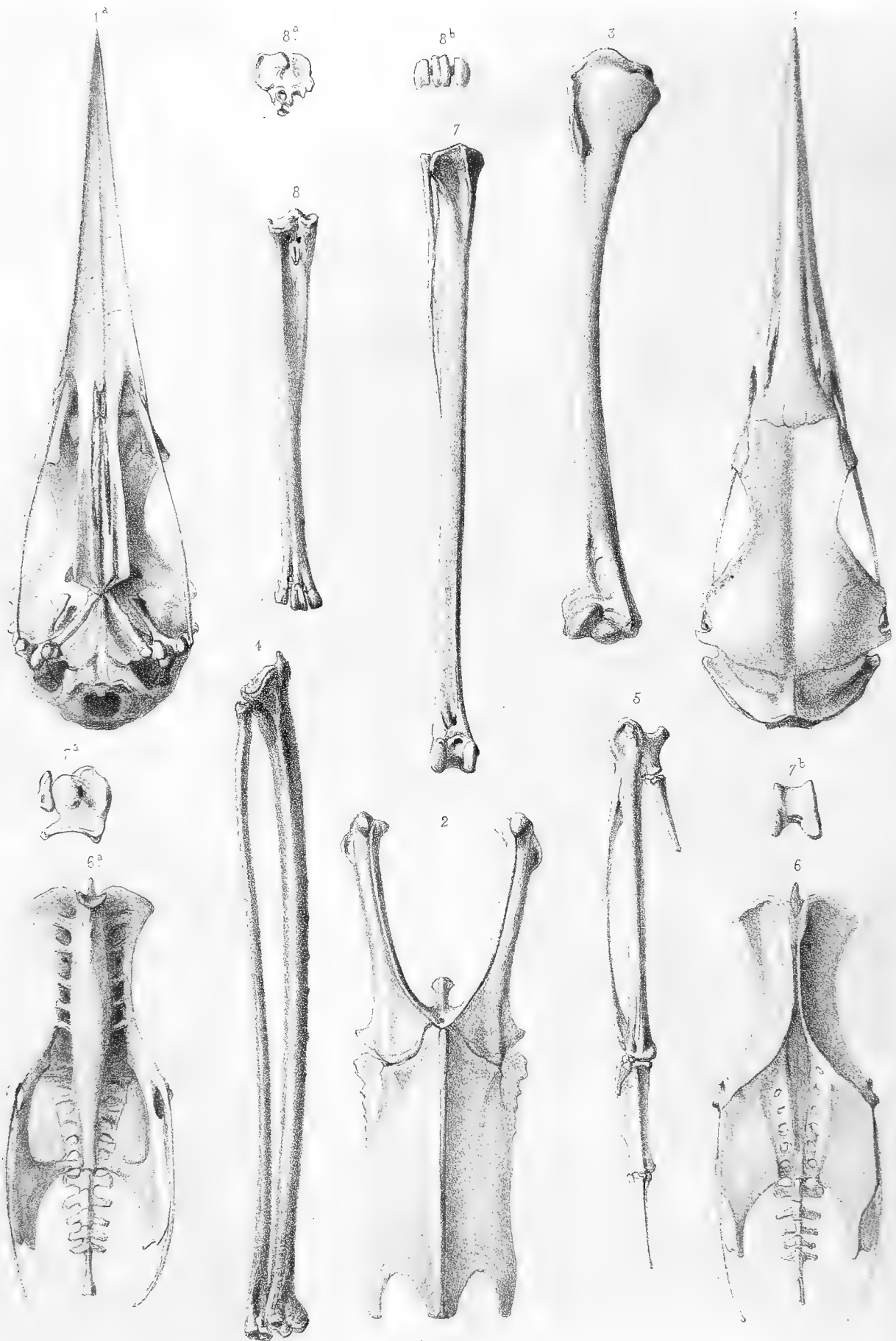
Fulmaria oryx

See Second Page

Ardea atricapilla, var. Rutenbergi.



Nycticorax europaeus





Ardea herodias var. *podiceps*.

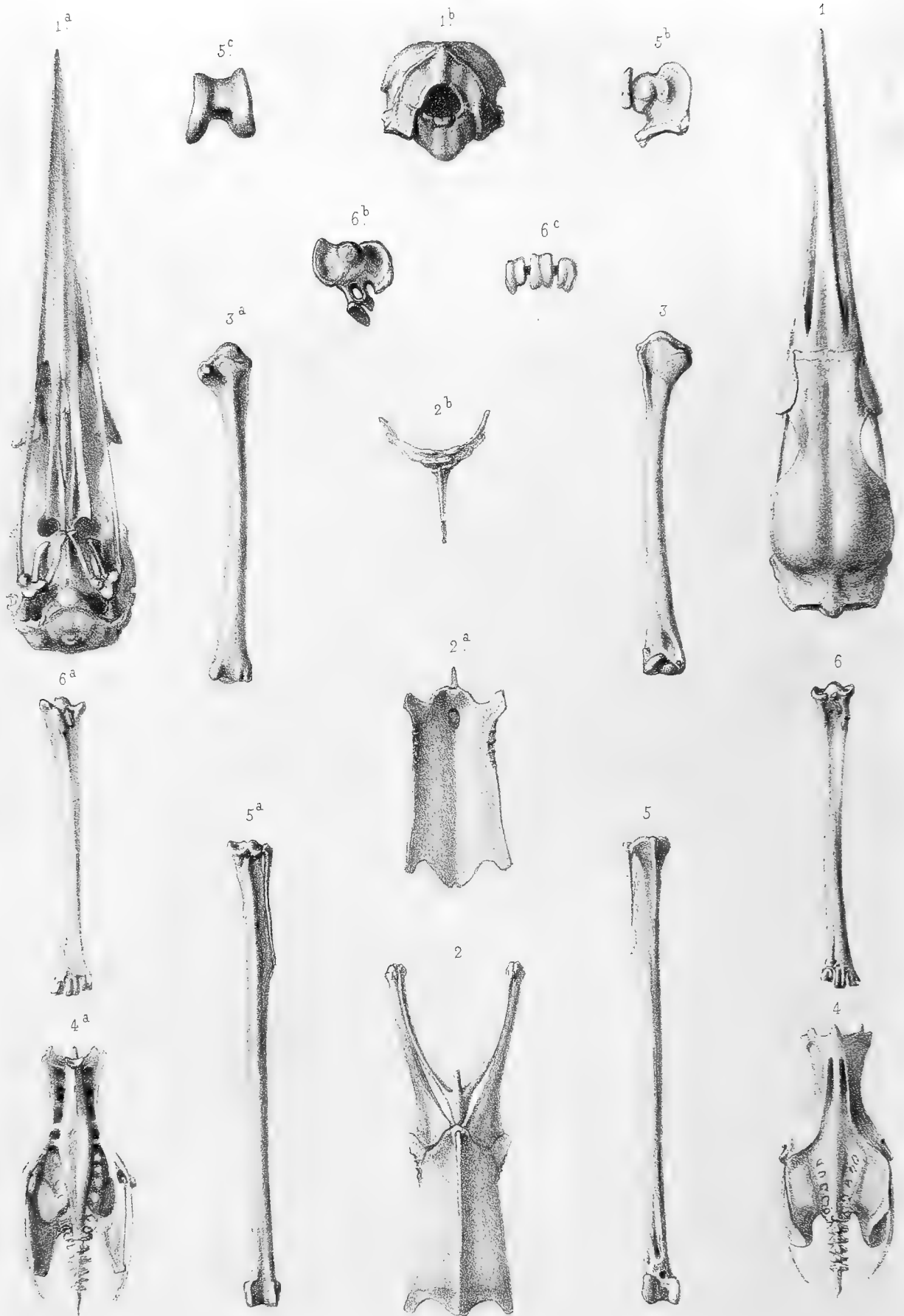


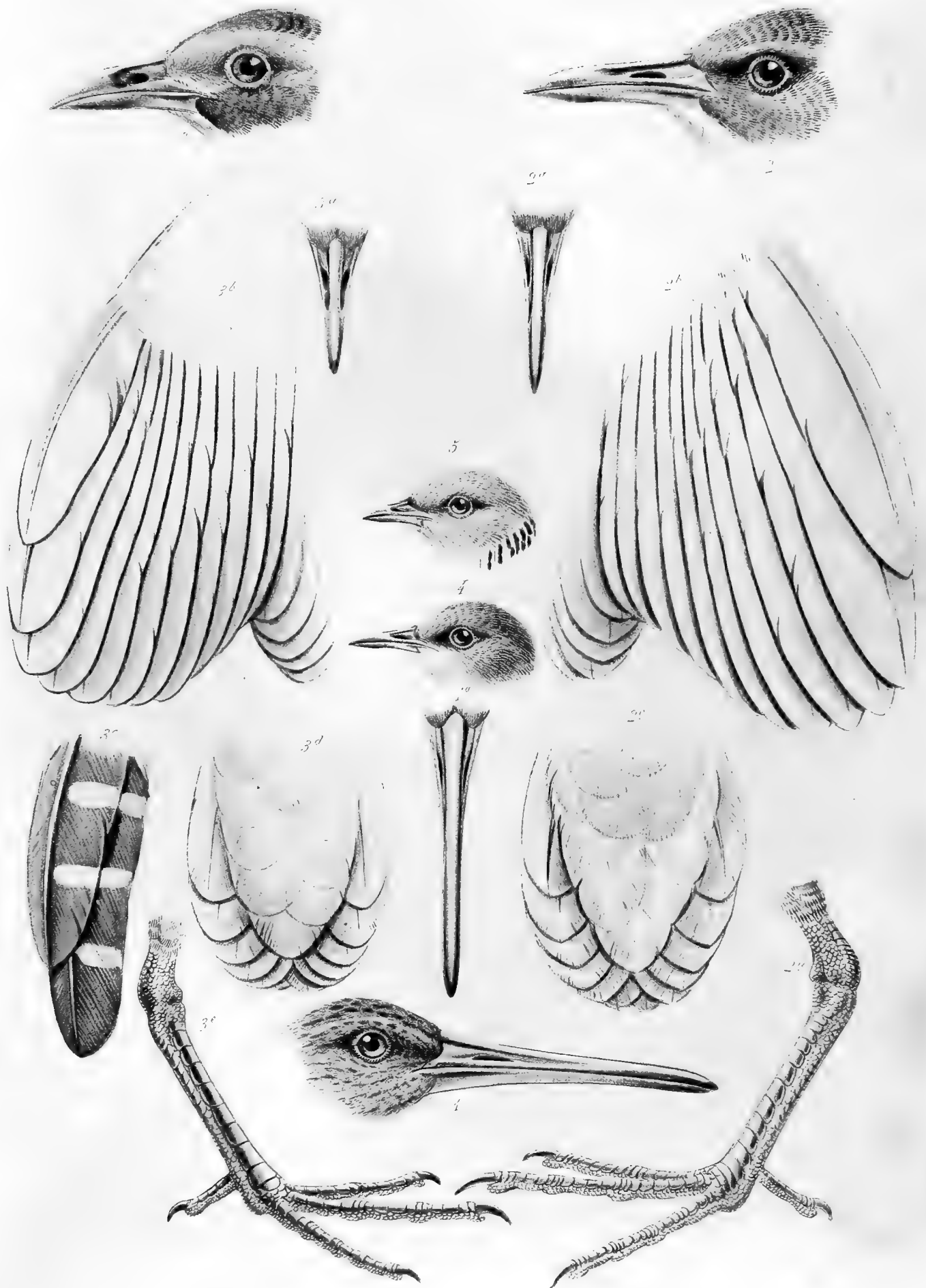


1855 lith

Im. B. 230. 230

Ardea minuta, var. podiceps.





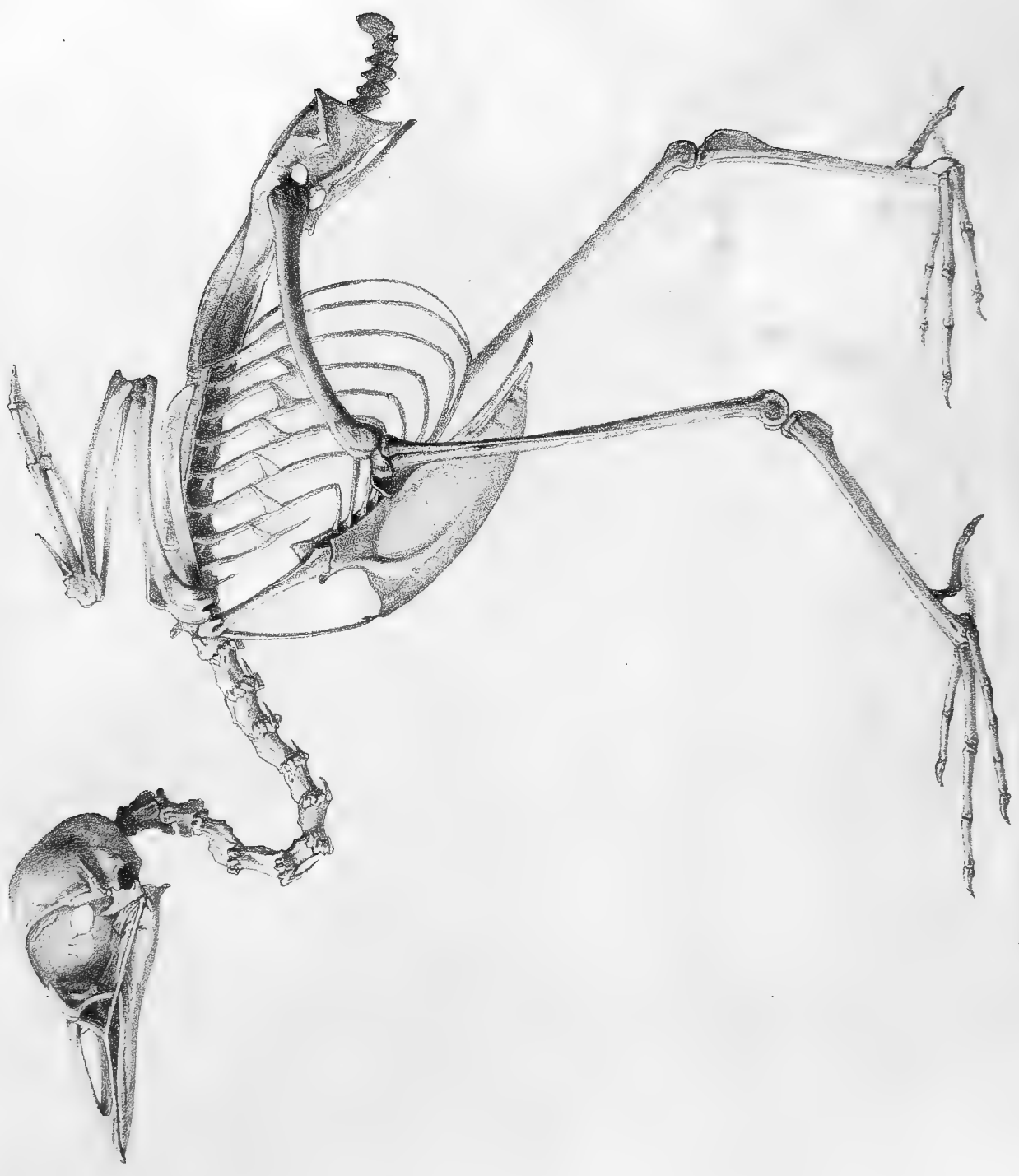




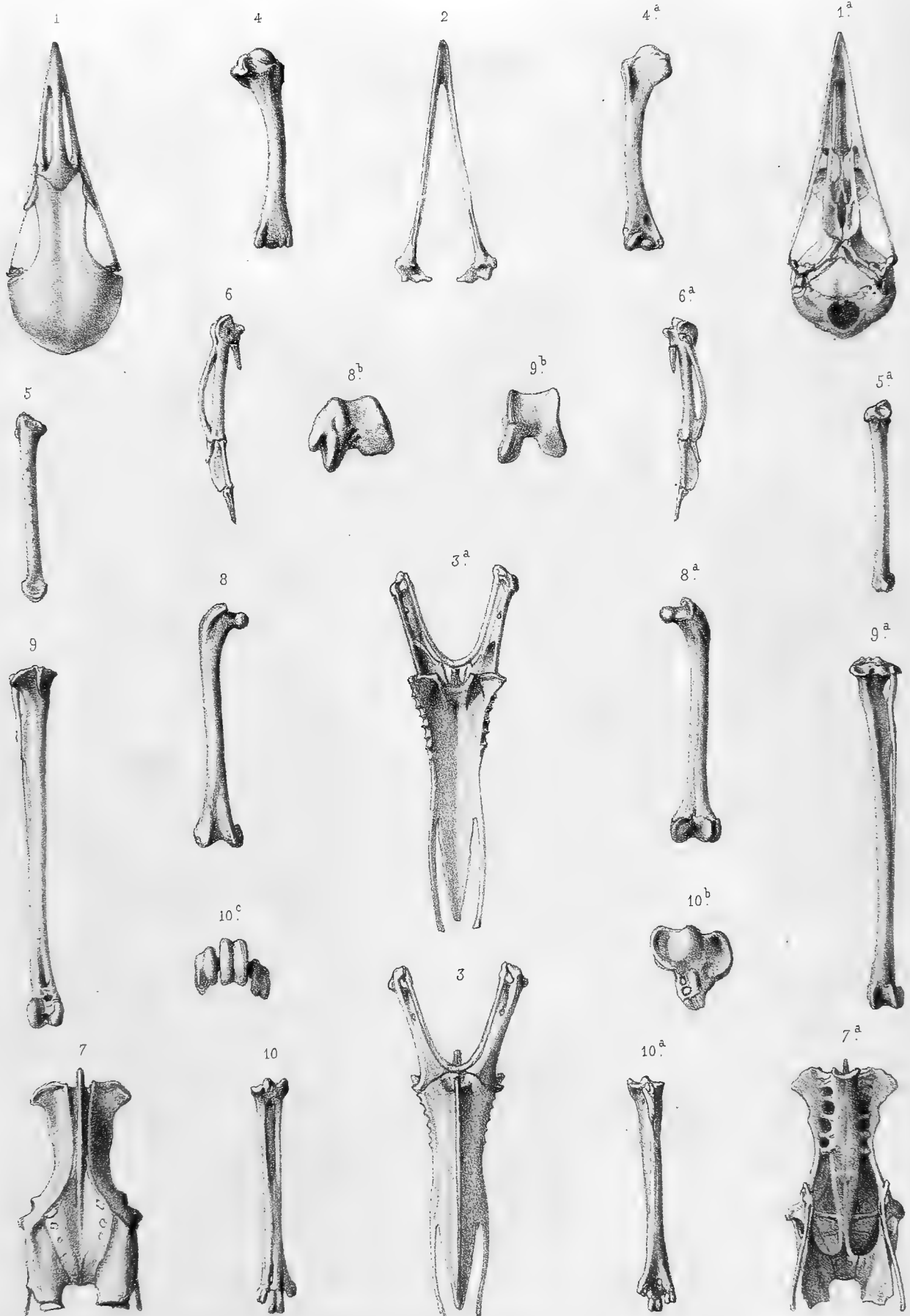
Rallus gularis



C. canadensis



Canirallus griseofrons.





Ortho

Ortho

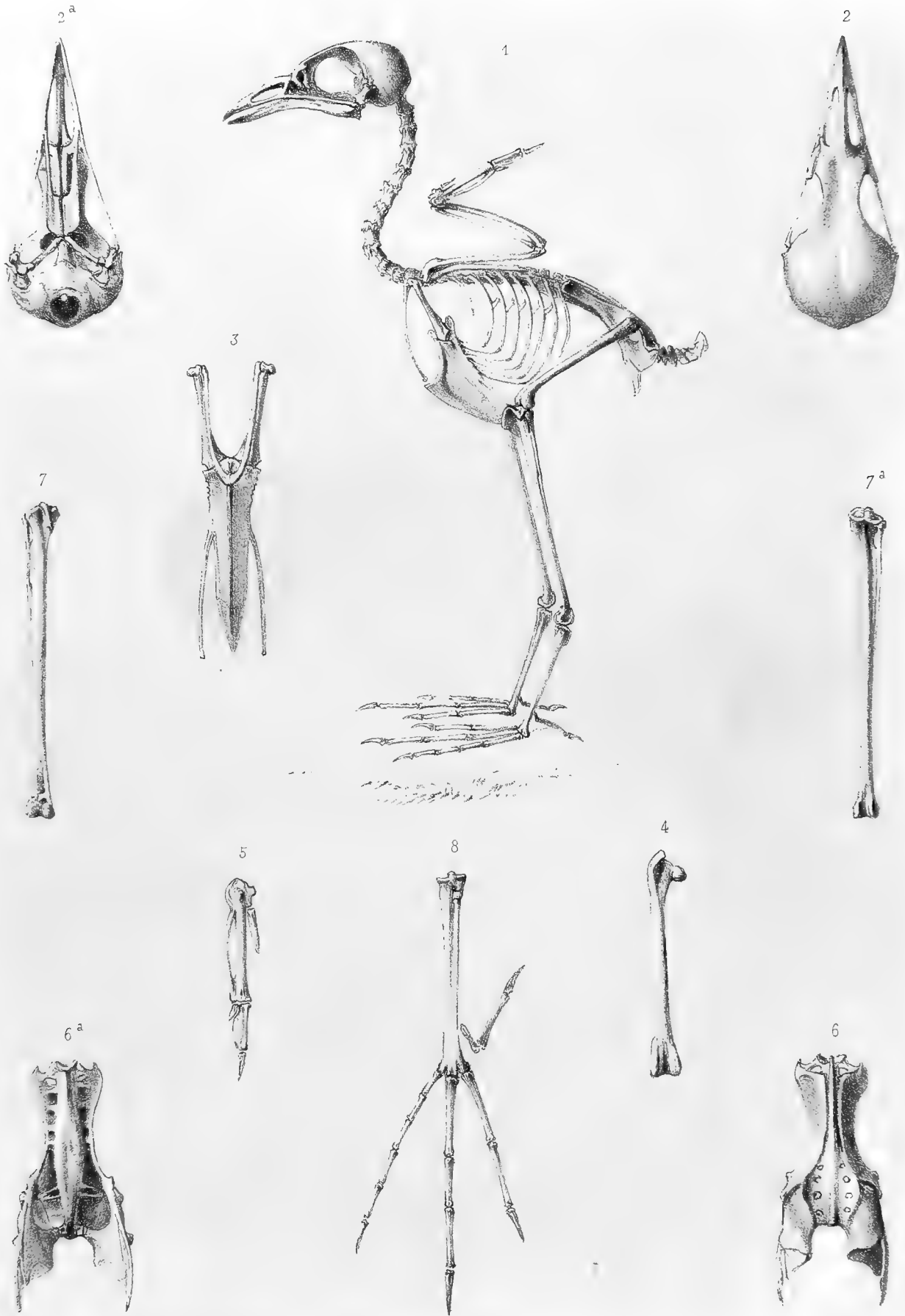
Ortho



Ortygometra insularis

The Birds of

Ortygometra insularis



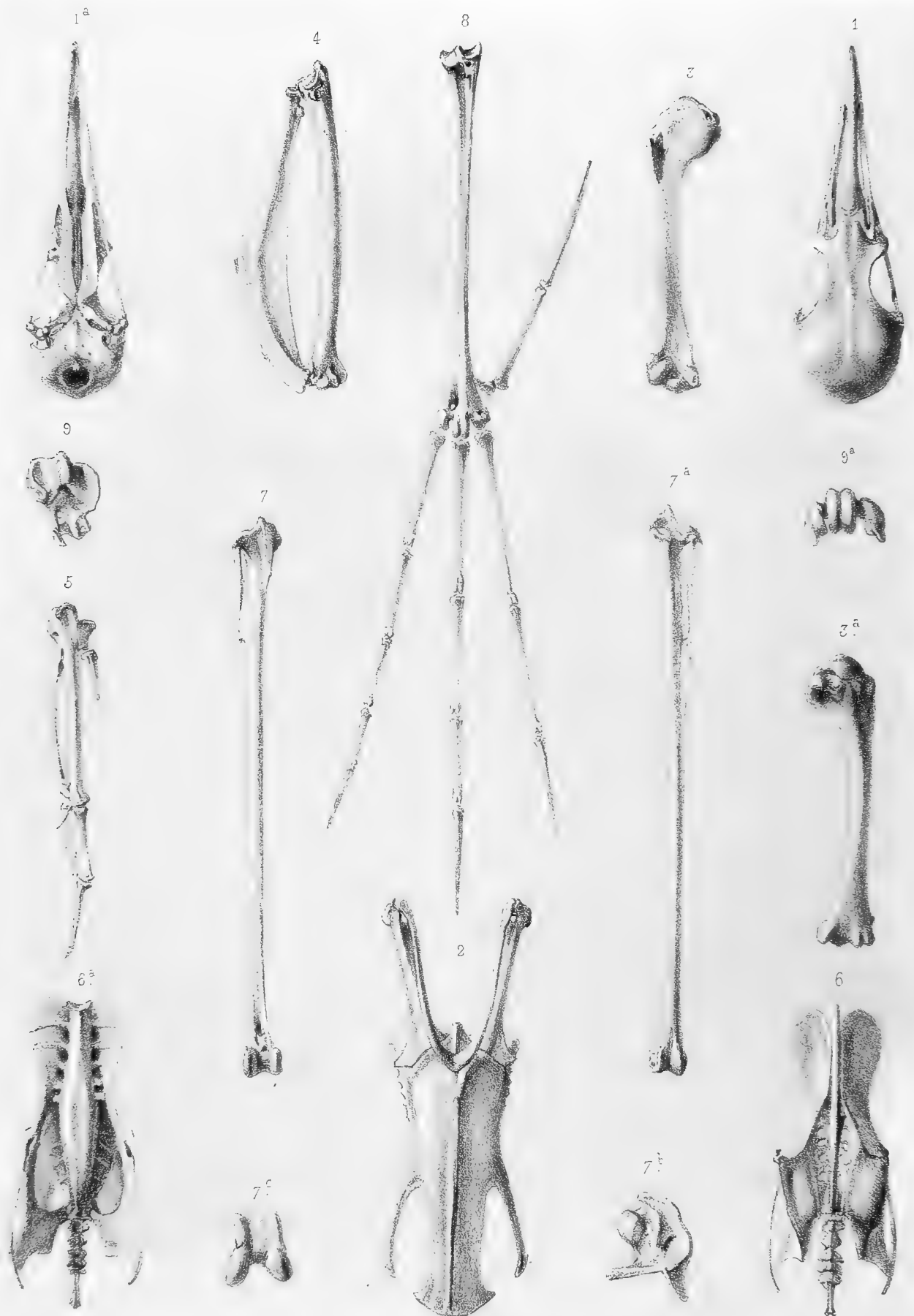


Neulomus pinct

Imo Becquet Paris

Purra albinucha.





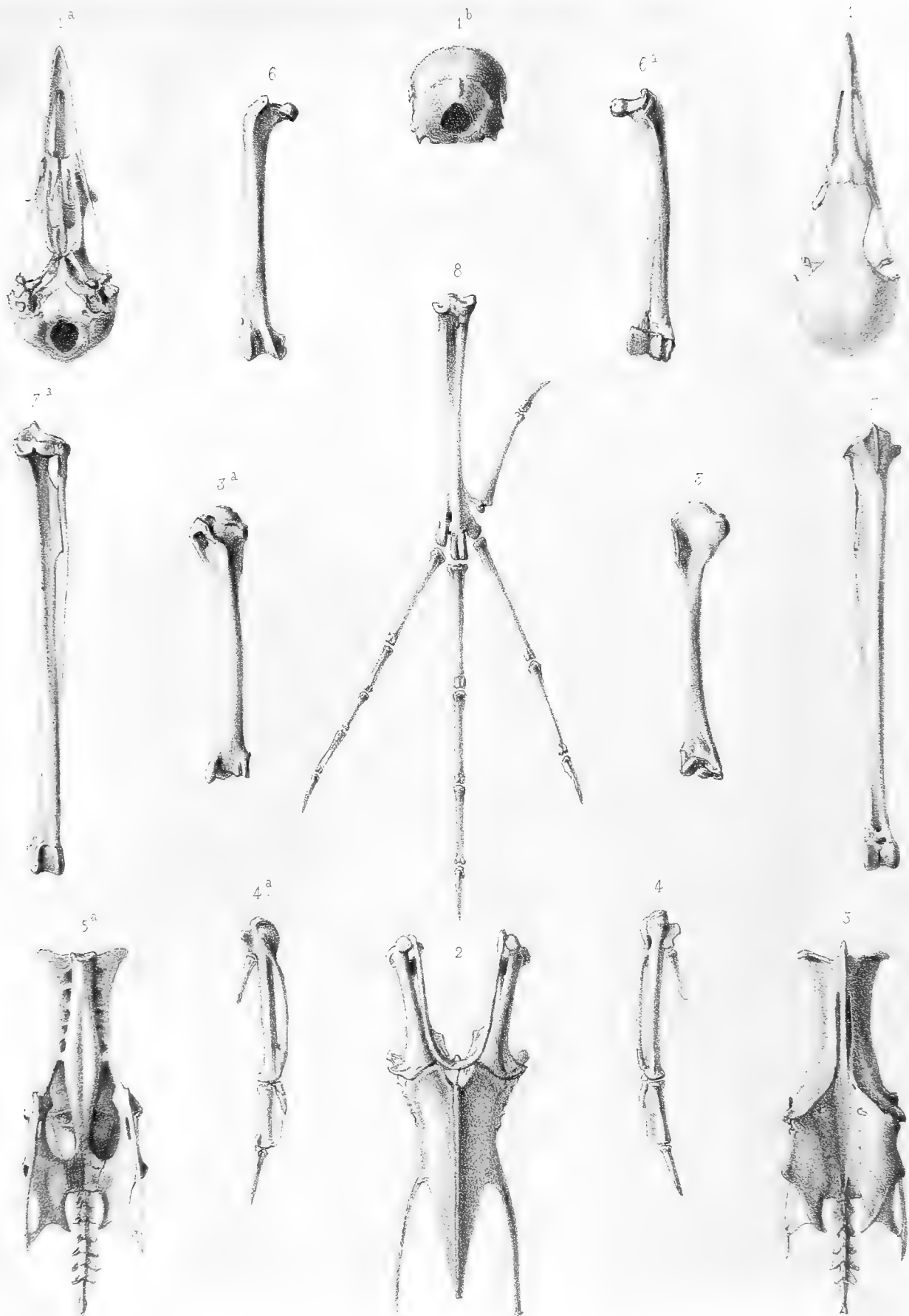


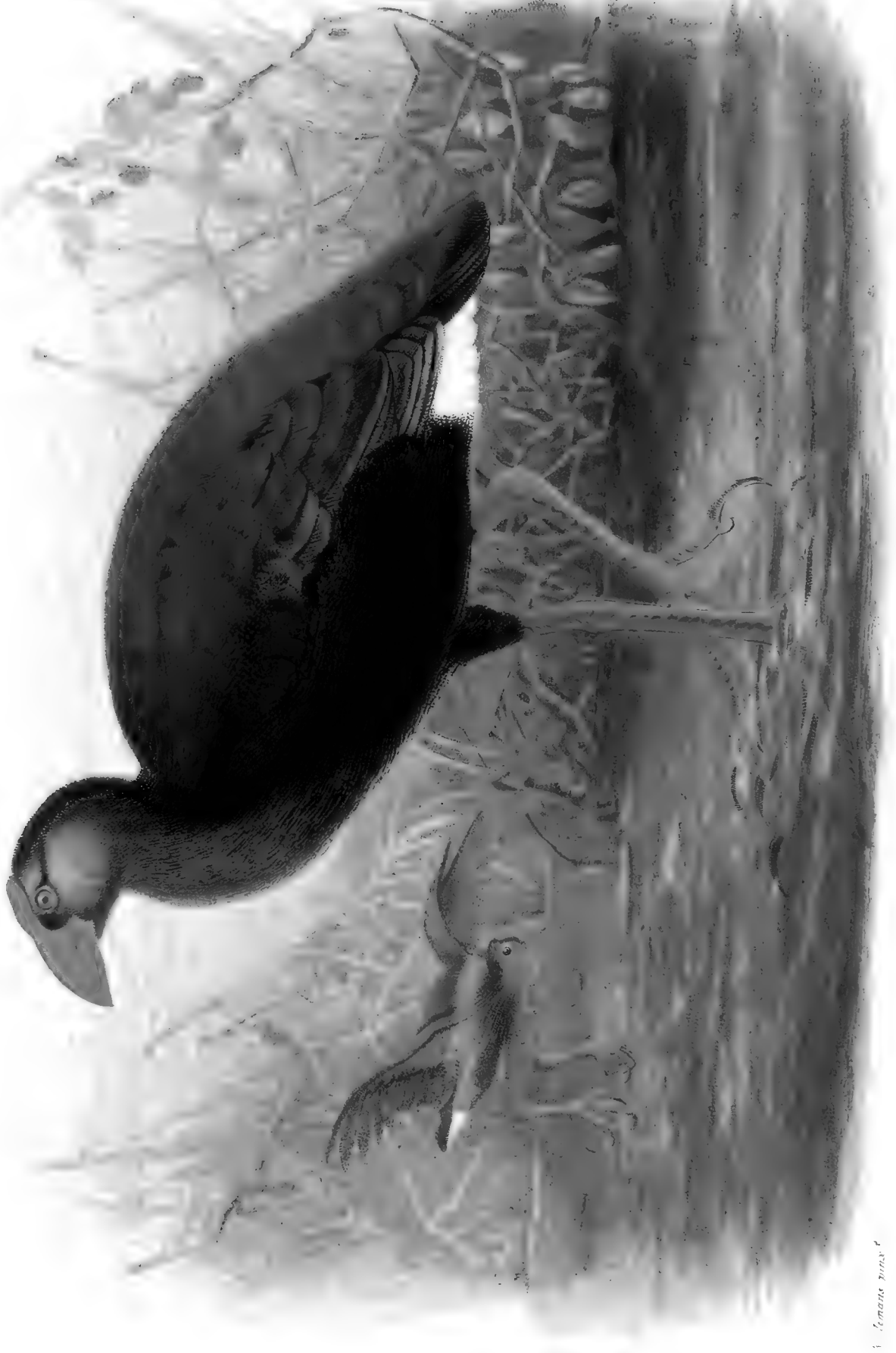
Kuilemans pinx.†

Imp. Biquet, Paris

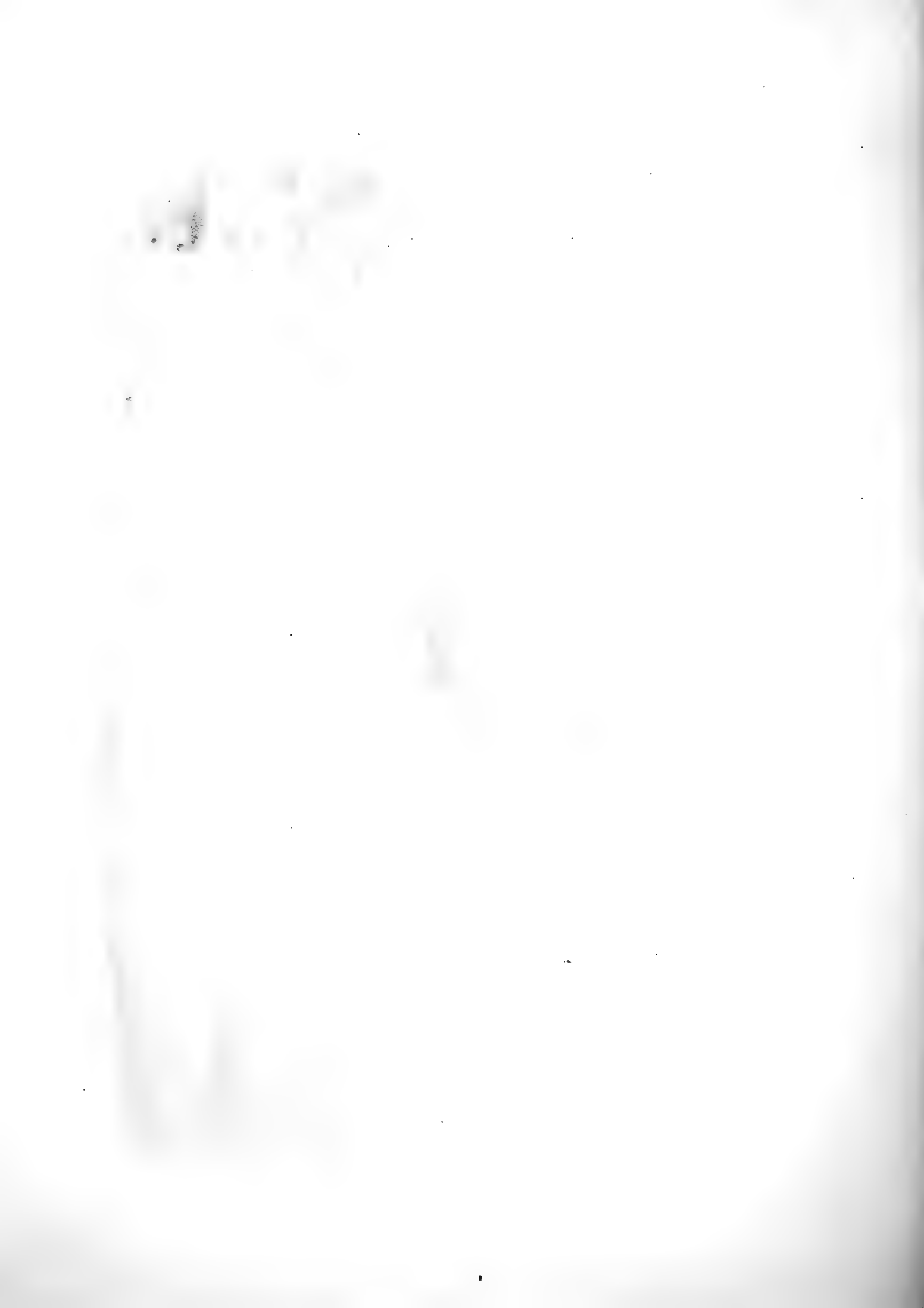
Gallinula chloropus, var. pyrrherhoa.







Perophyrus amargosus

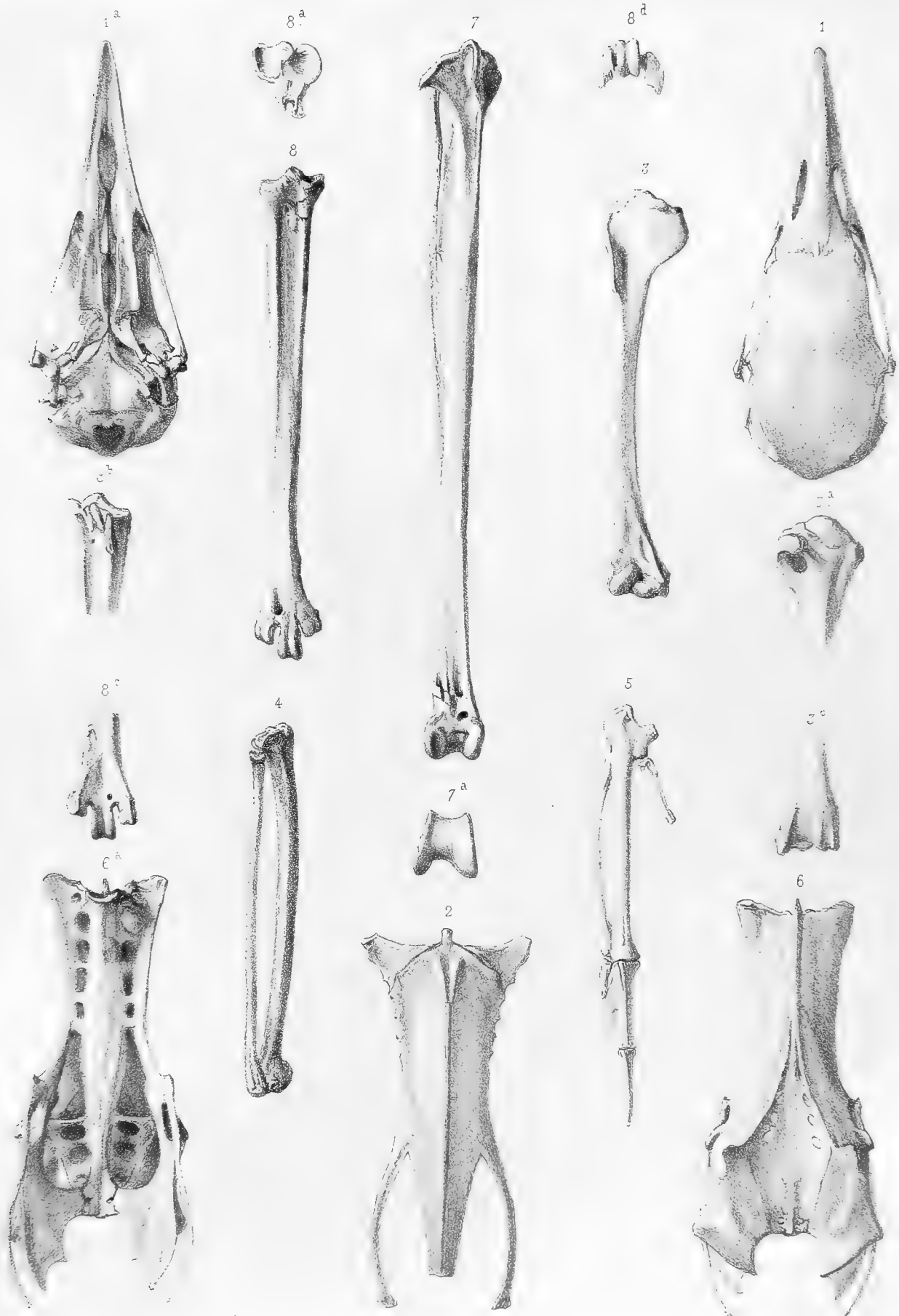




L. ussuri del.

J. B. S. P. sculp.

Periphriza smaragdinus.





Porphyrion albus



Mosites nigricollis





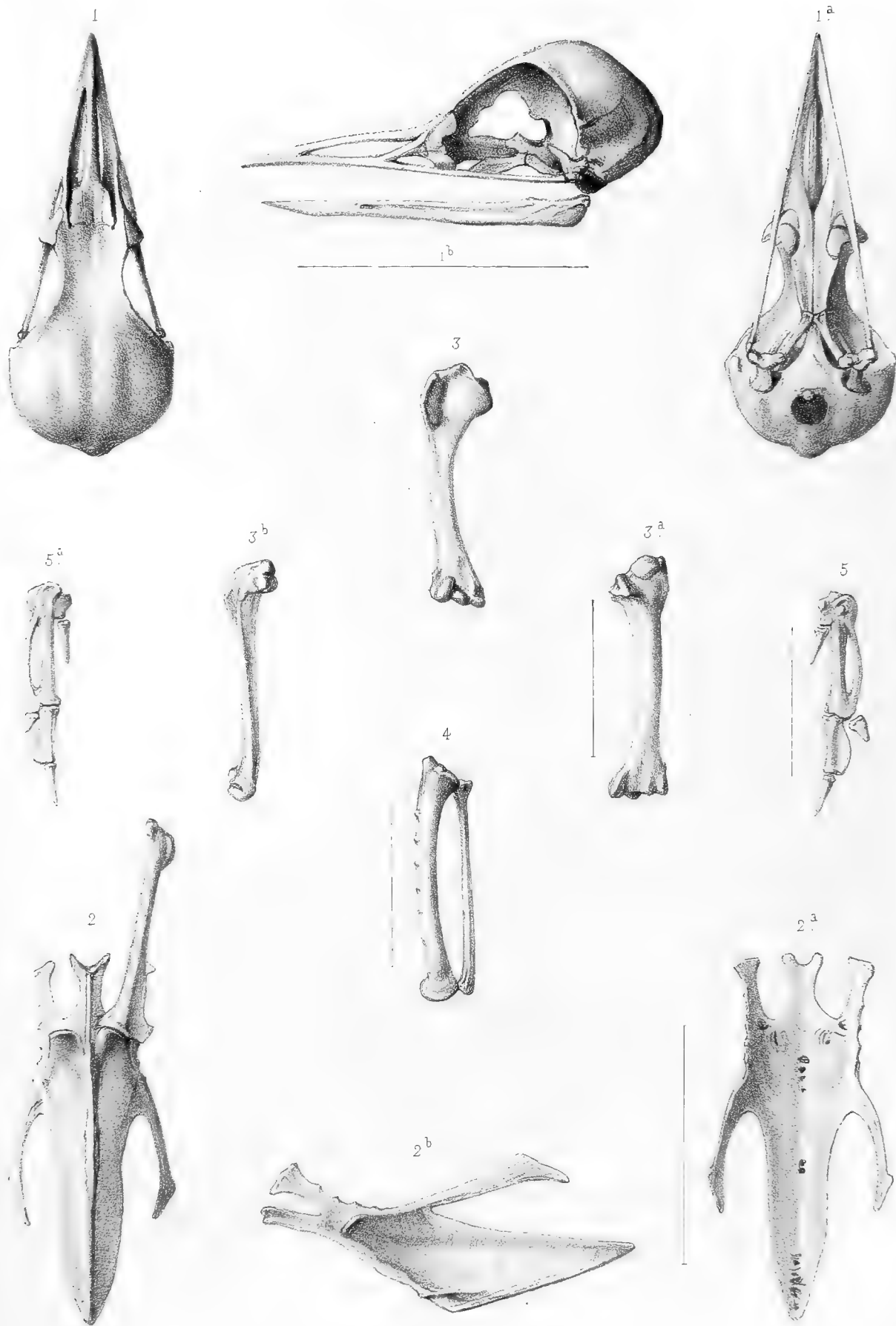
Mesites variegata

Int. B. 247. Pl. 247

Mesites variegata.

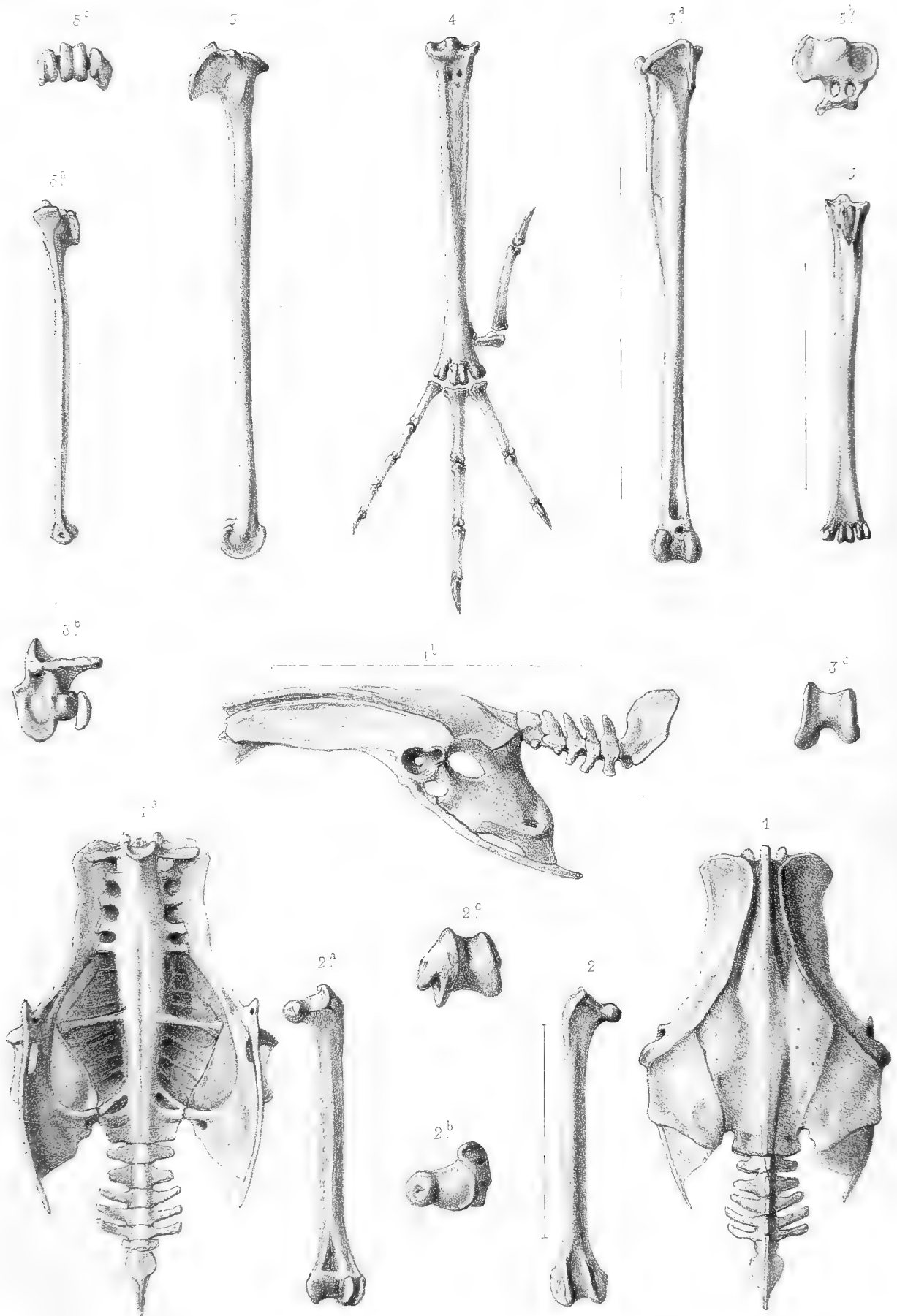




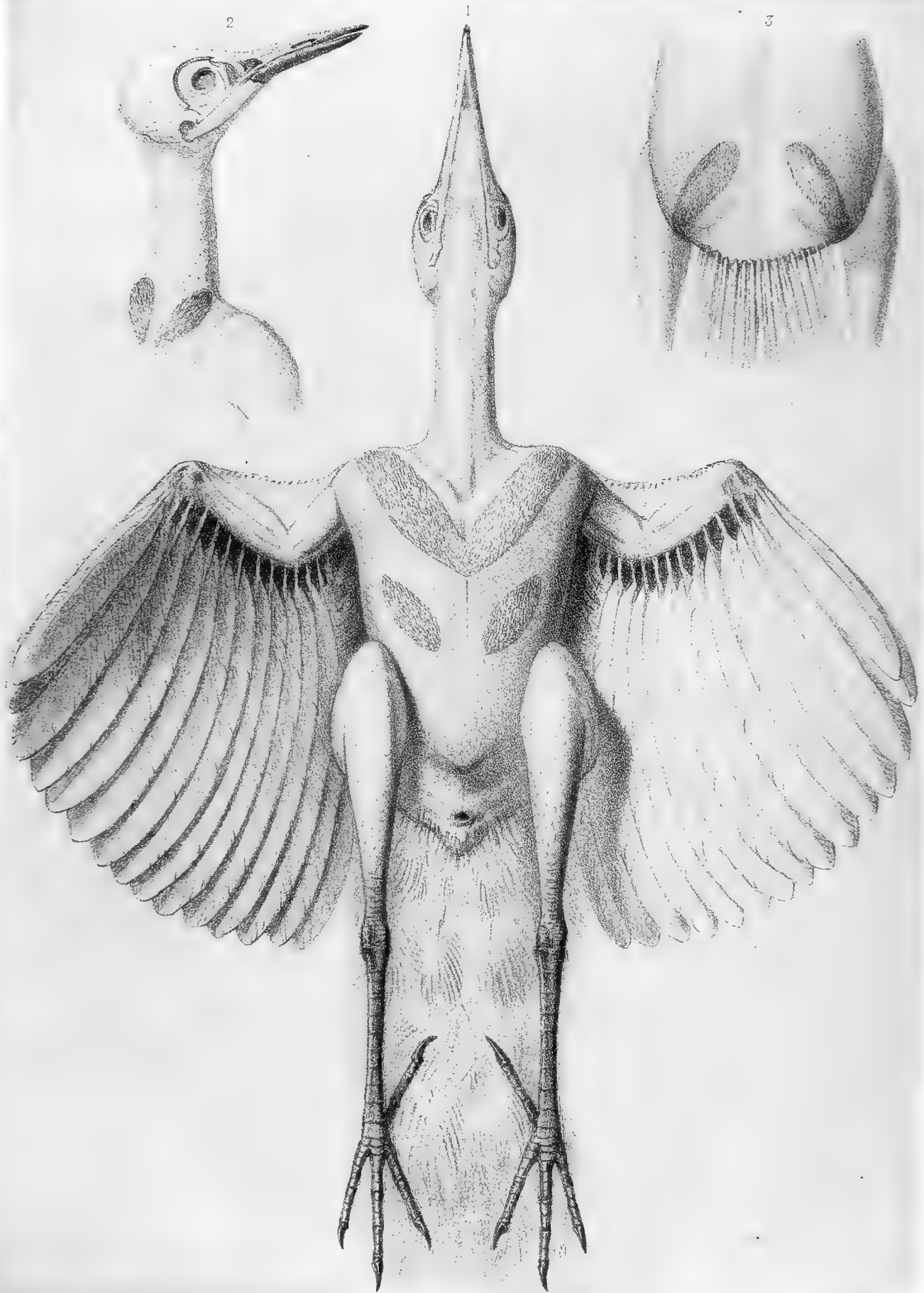


Mositos nuri-gala

Mositos nuri-gala



Mesites variegata



Mesites variegata

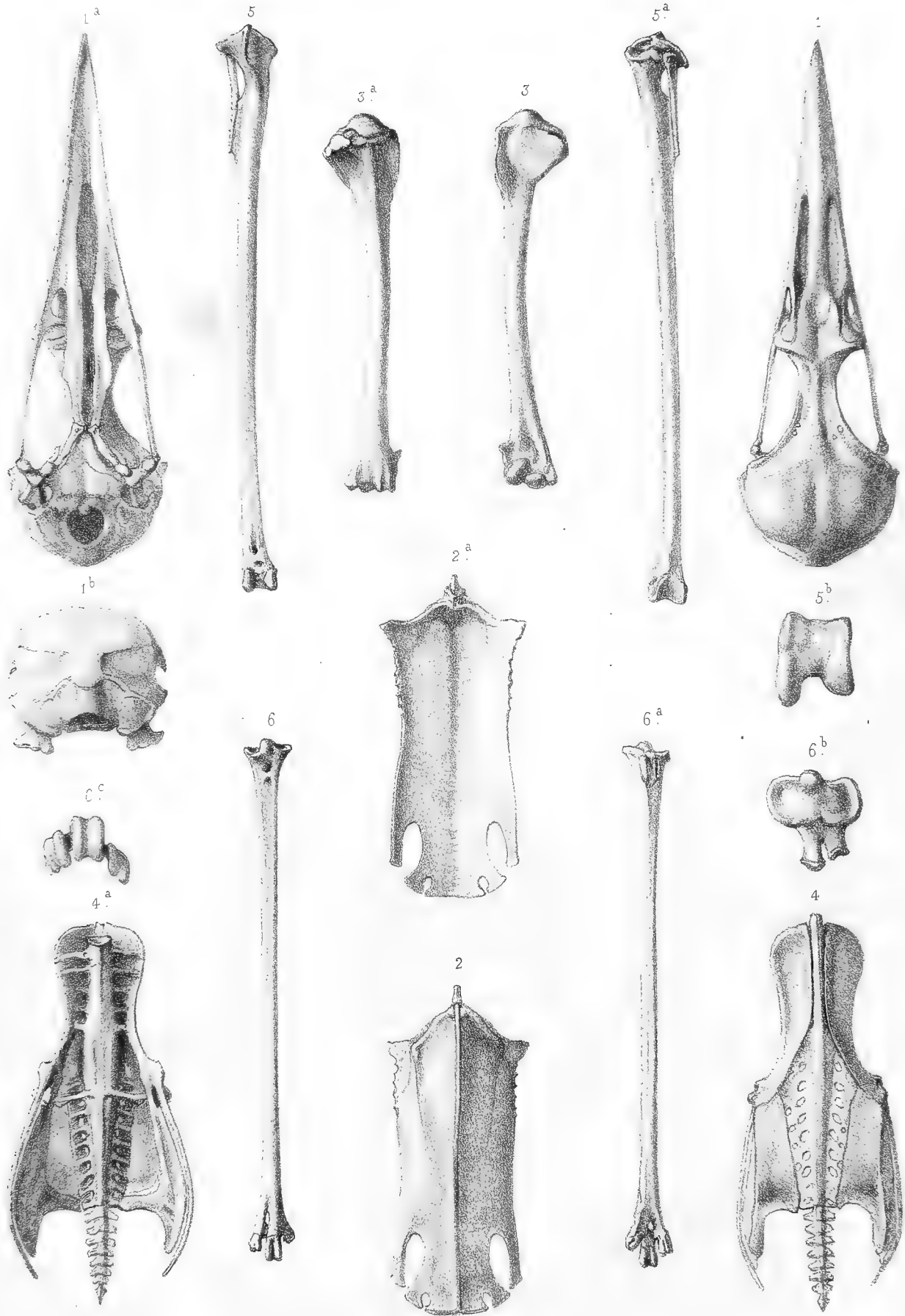


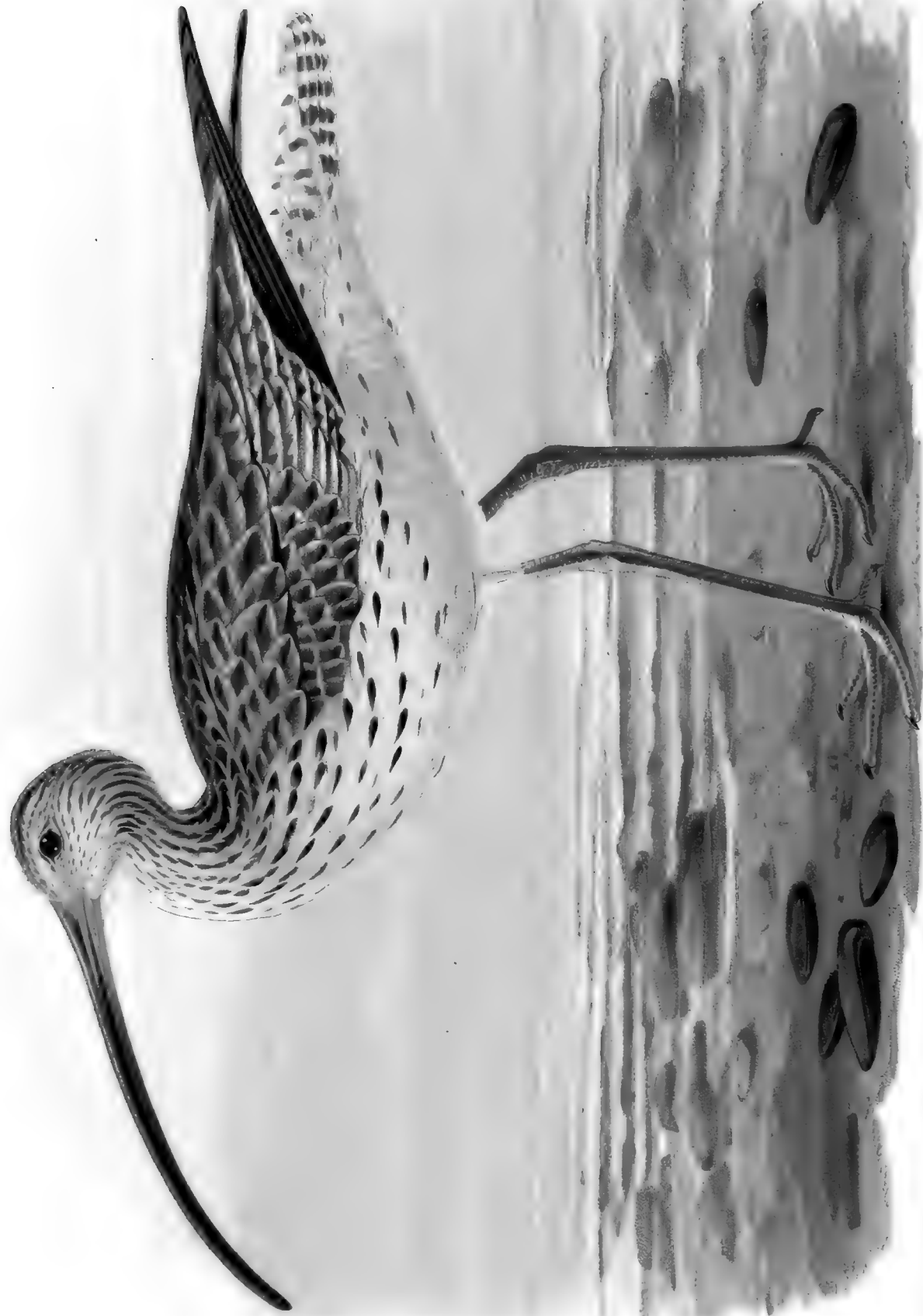
Lith. par

Imp. Bachelier, Paris.

Mesites variegata.







Numenius part 1

Numenius arquatus, var. *madagascariensis*.



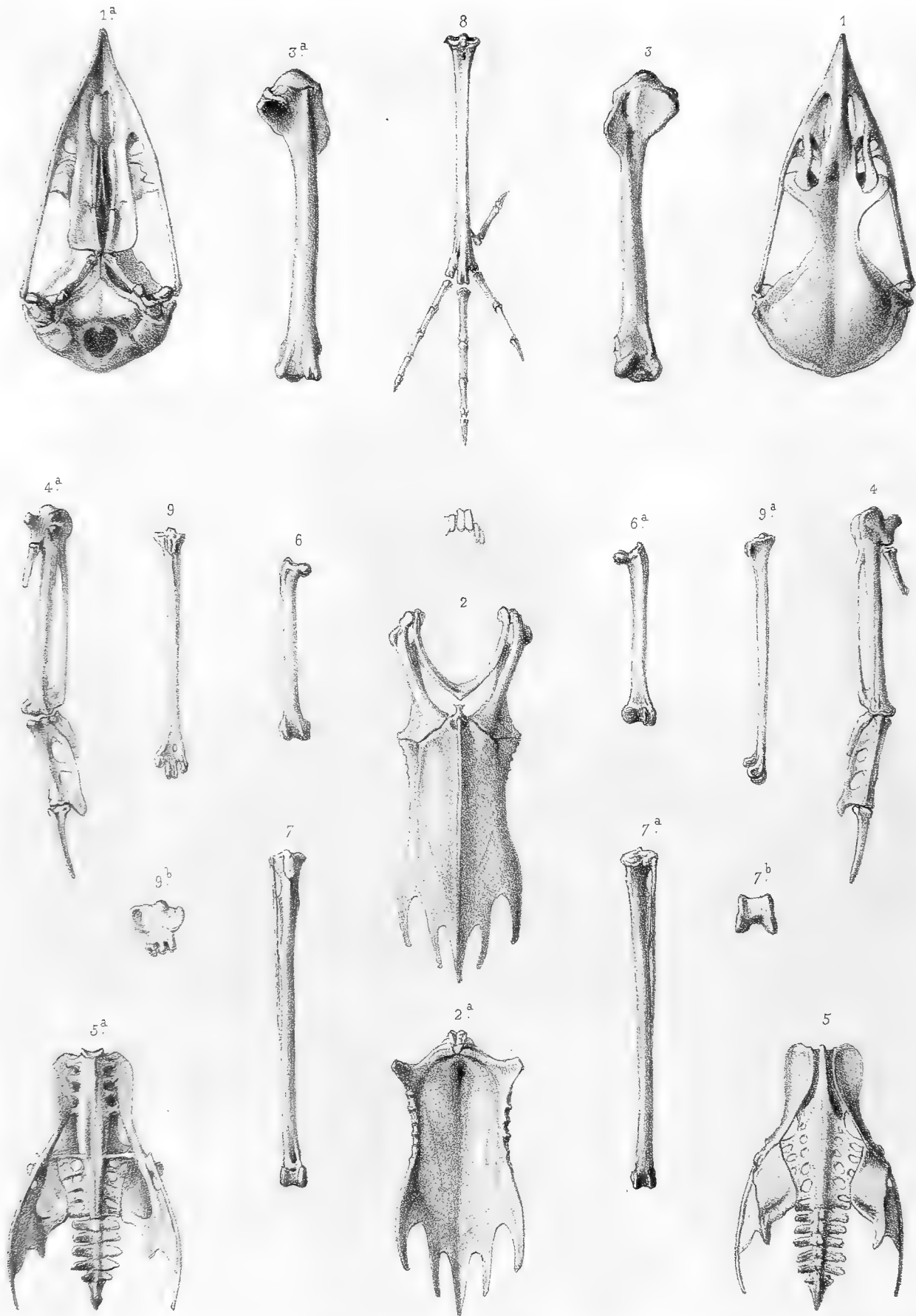




Glareola ocularis.









Pl. 2. 3

Obscur Pl. 2. 3

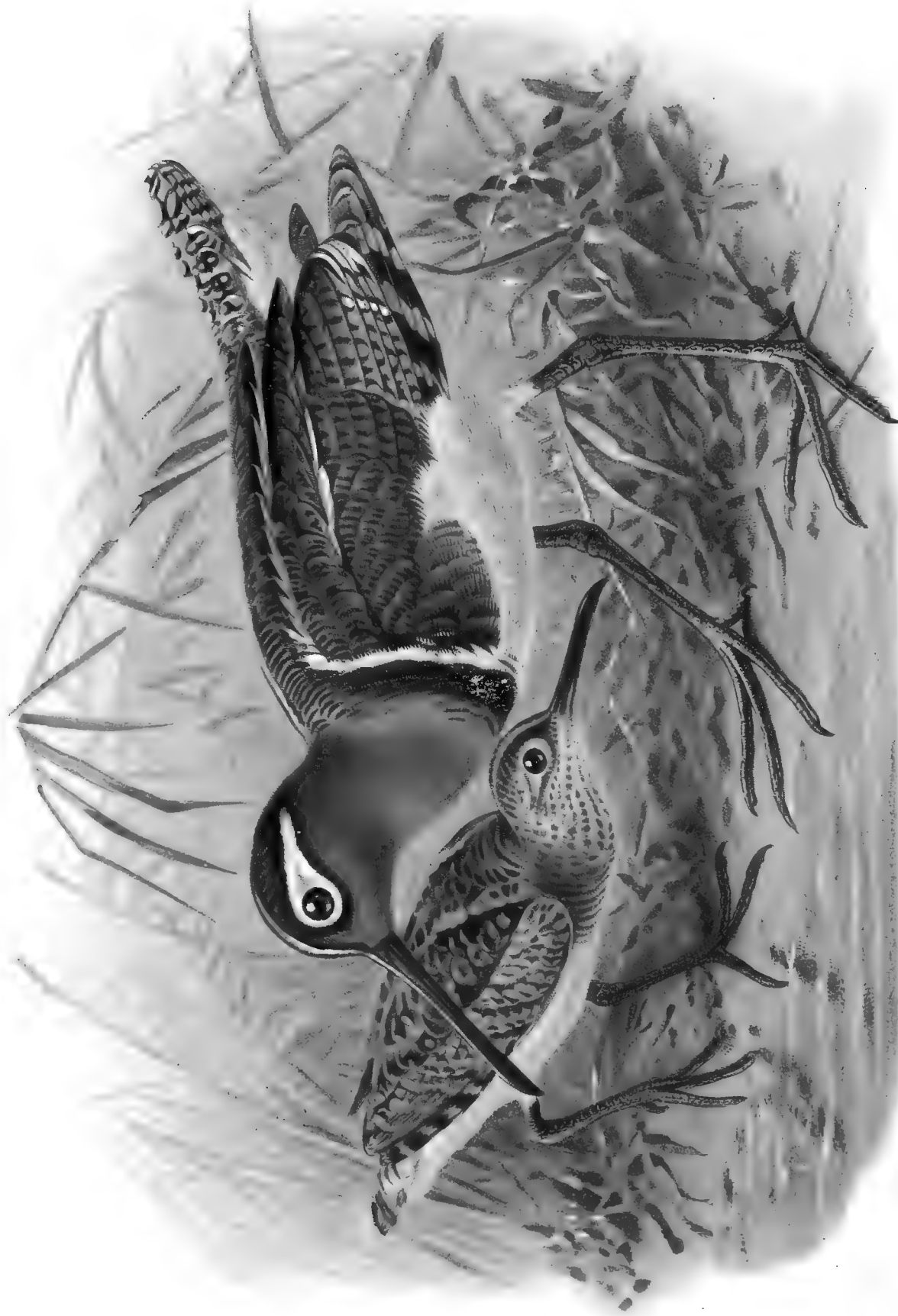
Himantopus autumnalis.



Plumage

Plumage

Gallinago nigripennis, var. Bernieri.



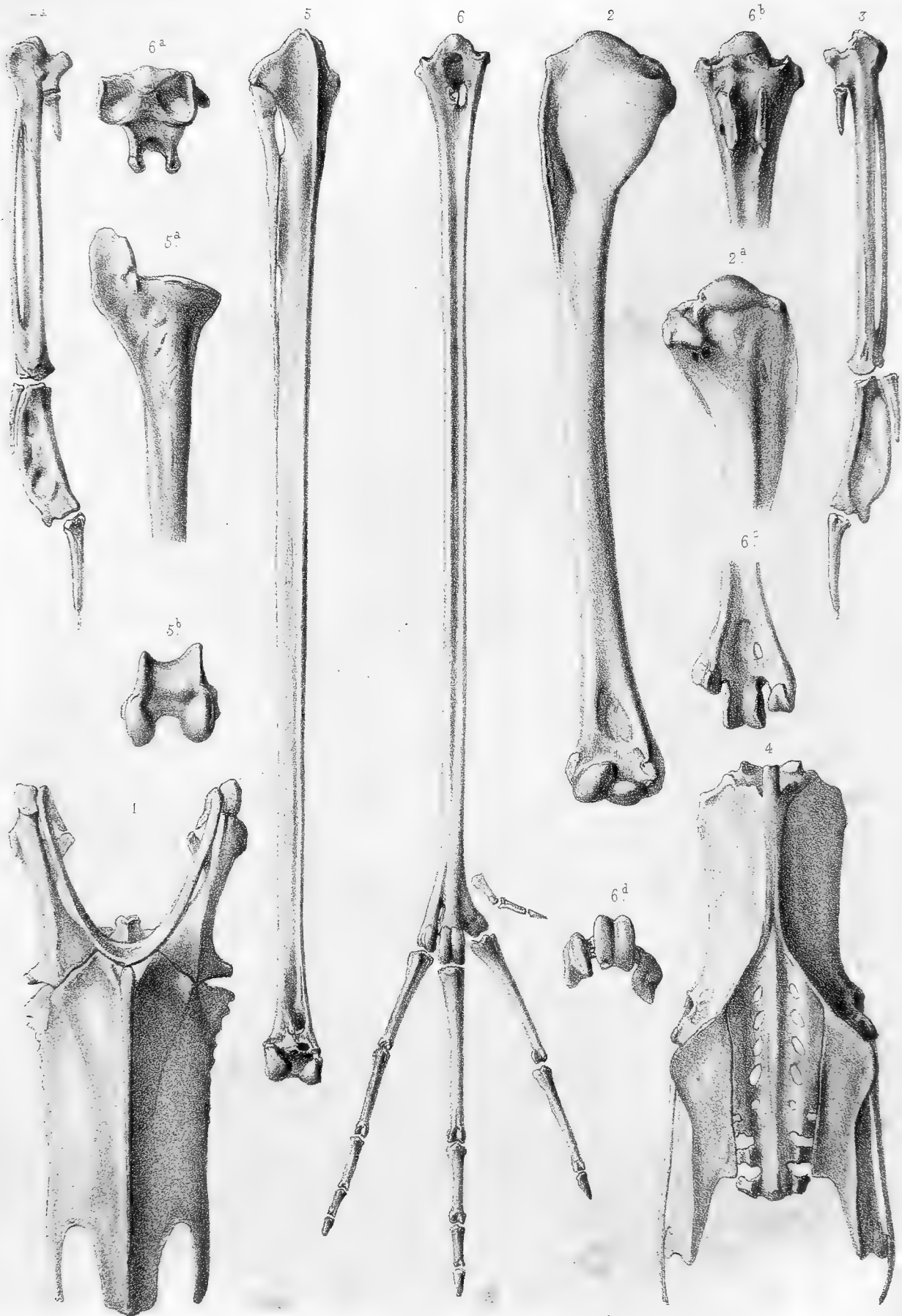


Plumage

Plumage

Phoenicopterus minor.



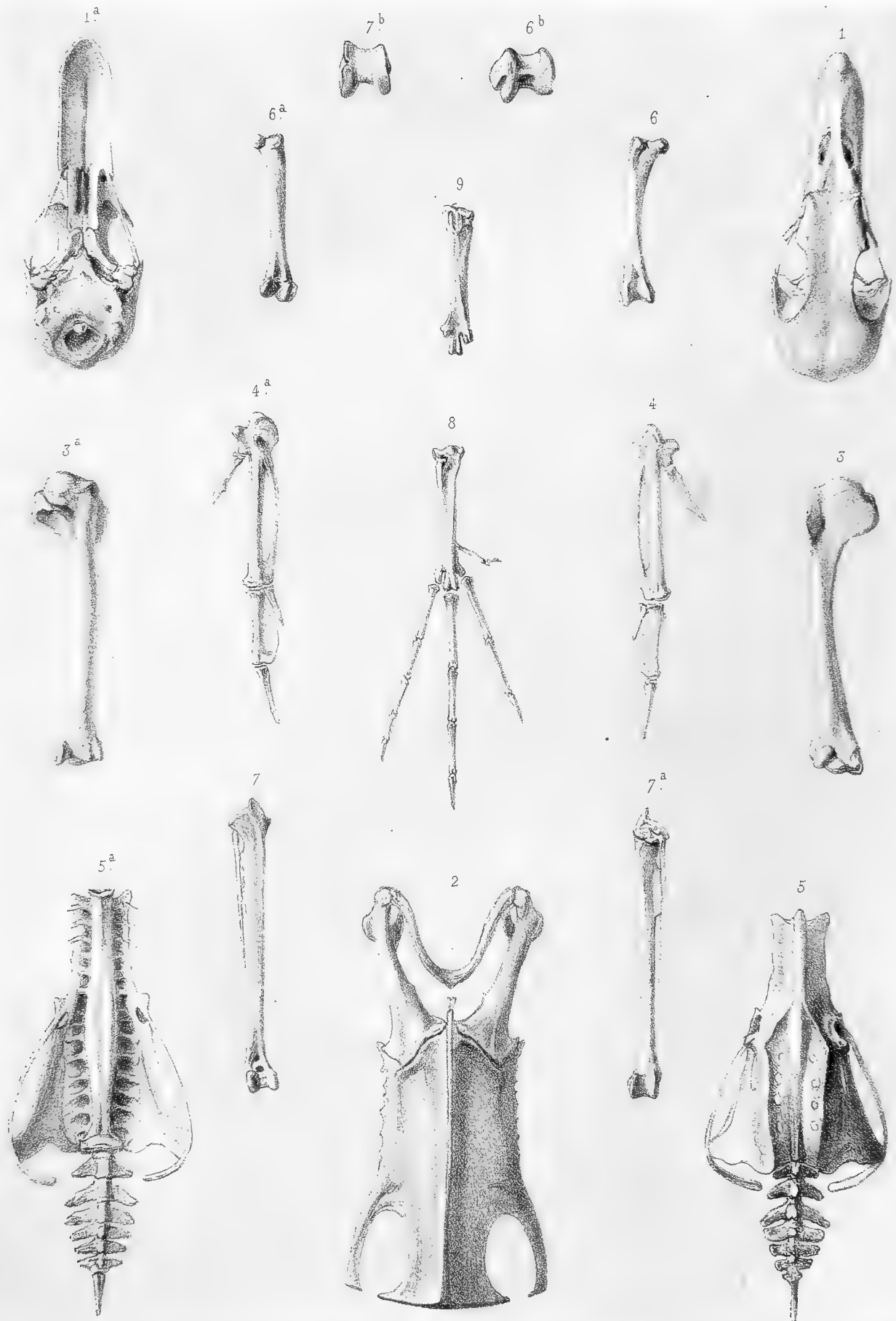


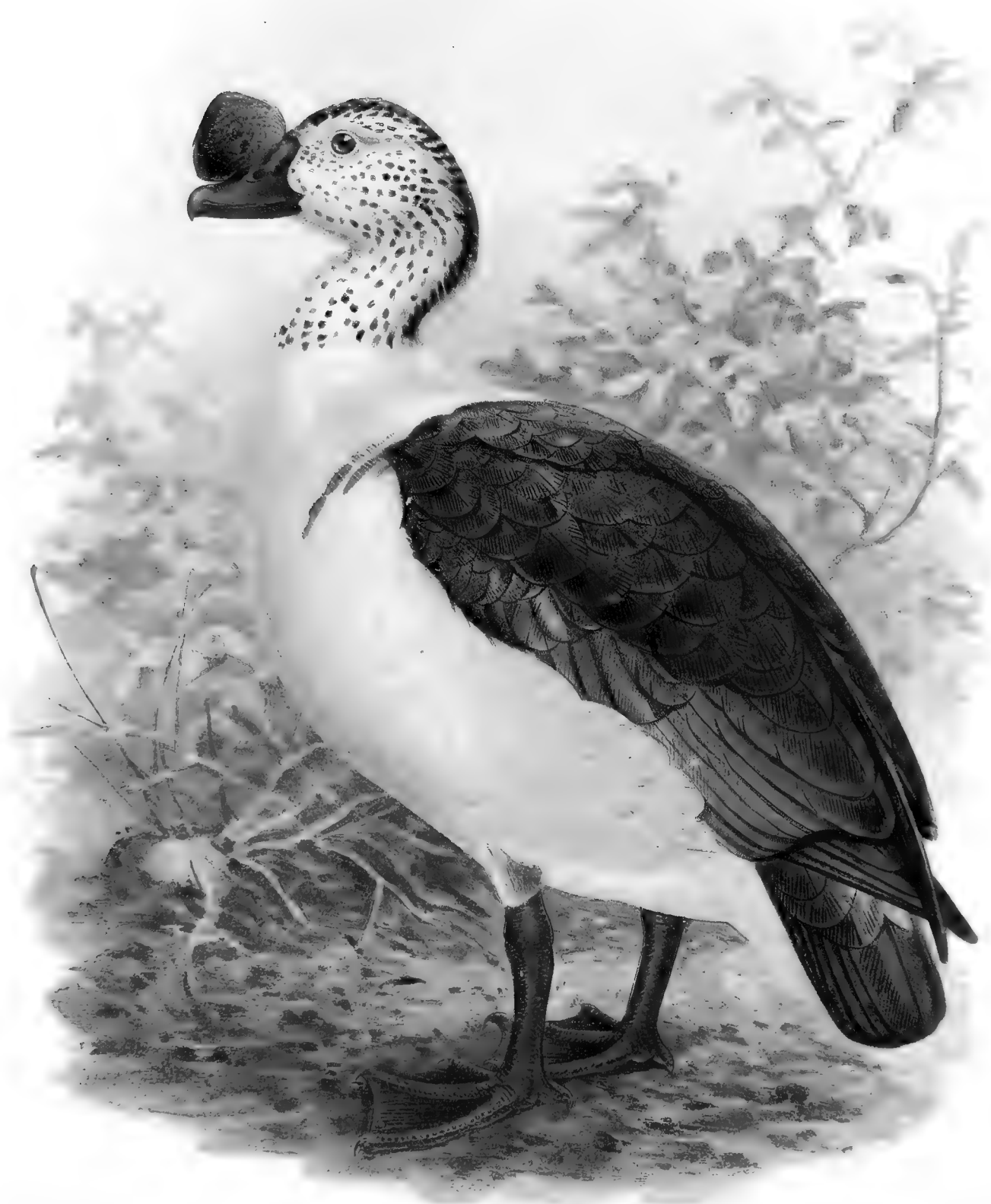


Macrorhynchus minor









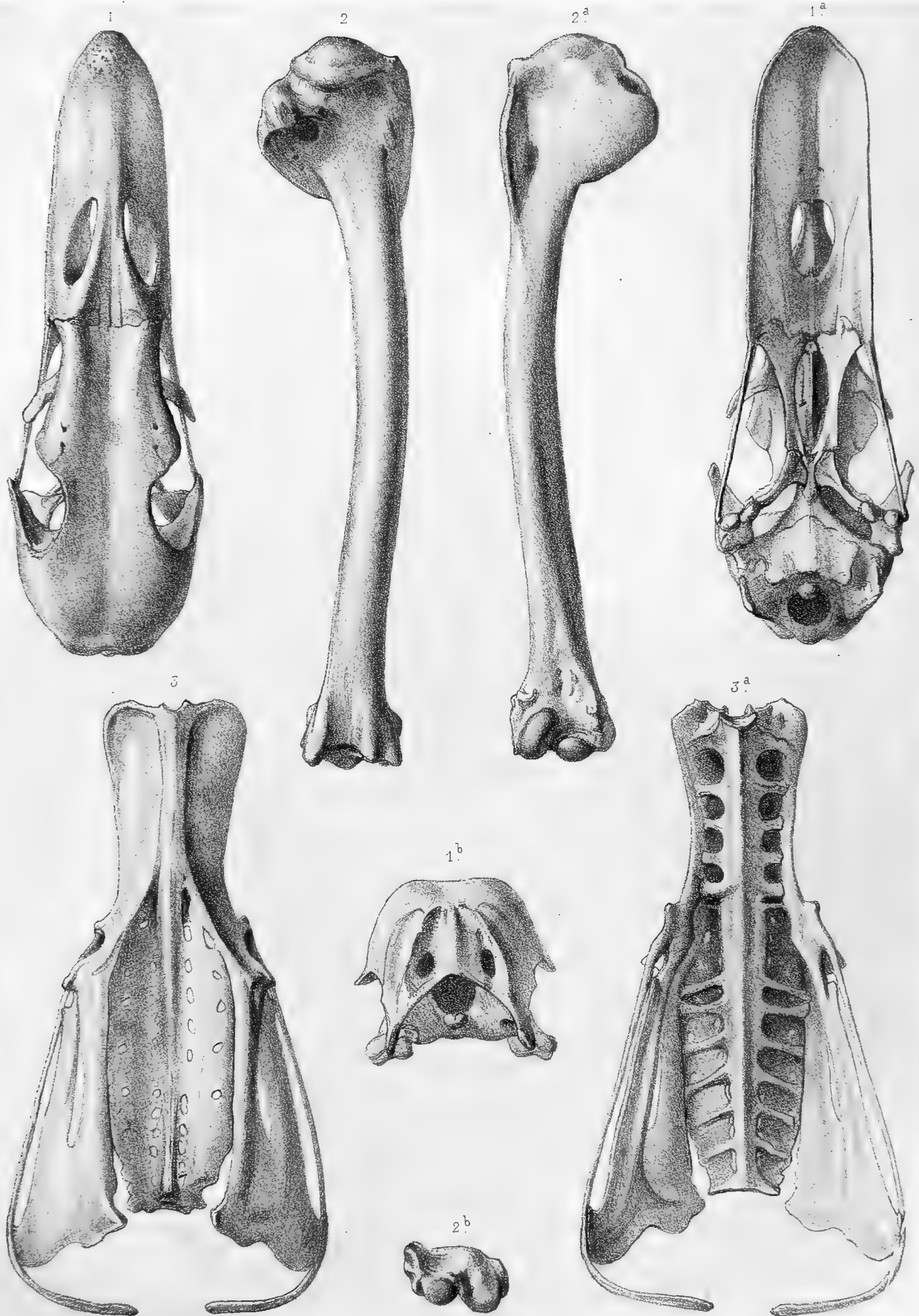
Booby (Masked)

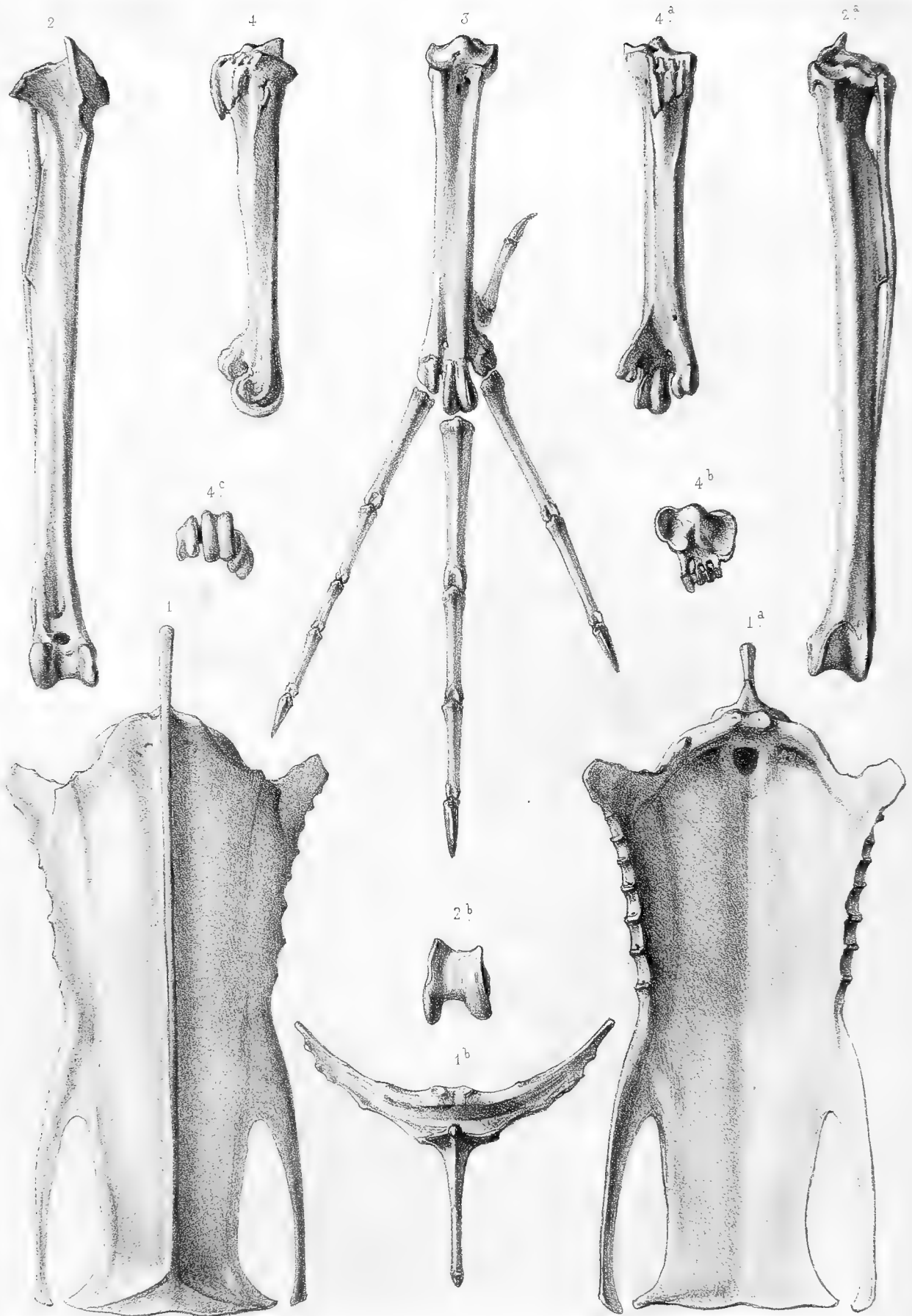


L. Courcier del.

Imp. Deshayes Paris

Sarcidiornis melanocephalus.

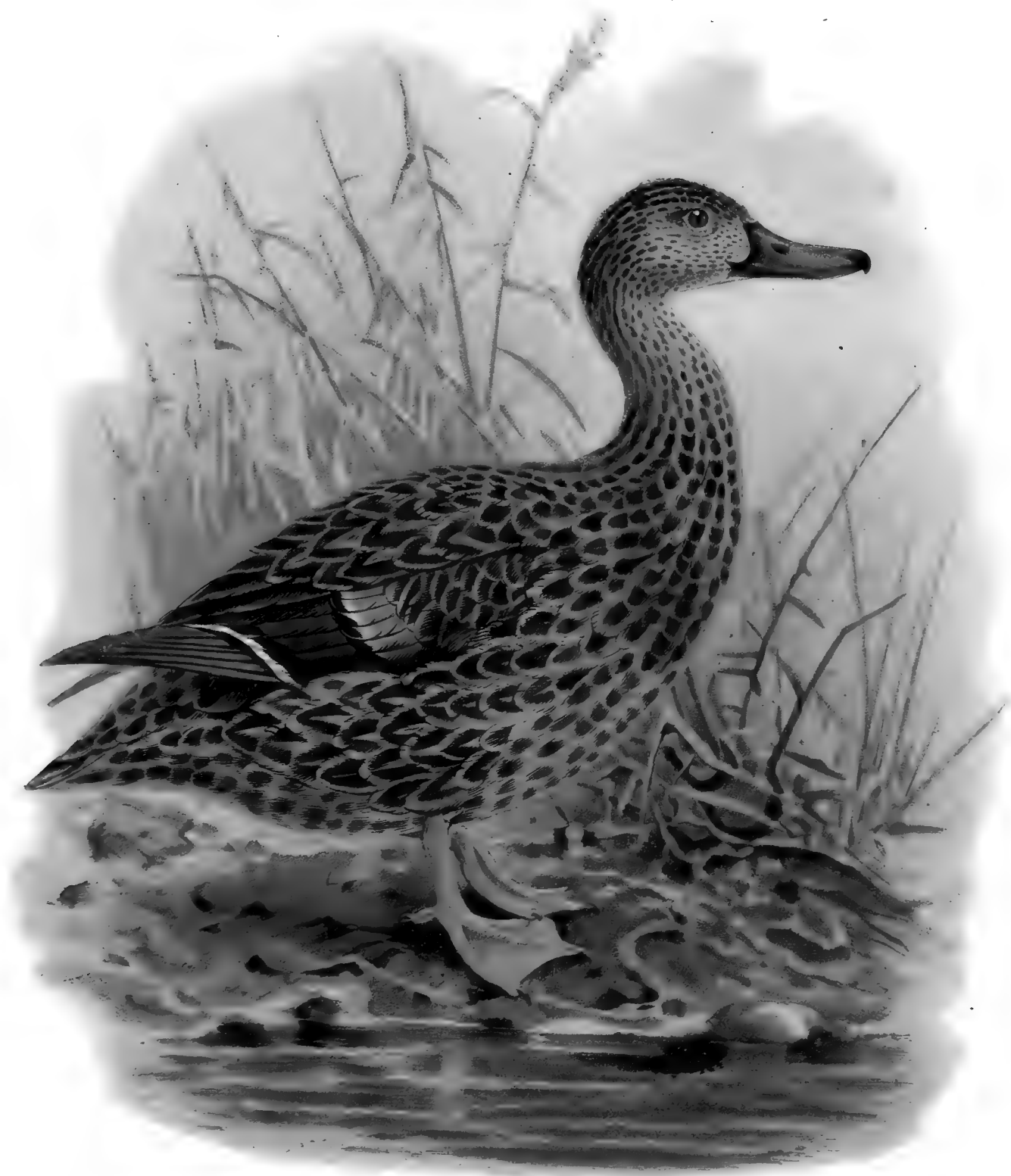




L. Person del.

Imp. Bachelier Paris

Sarcidiornis melanotus



Anas Melleri

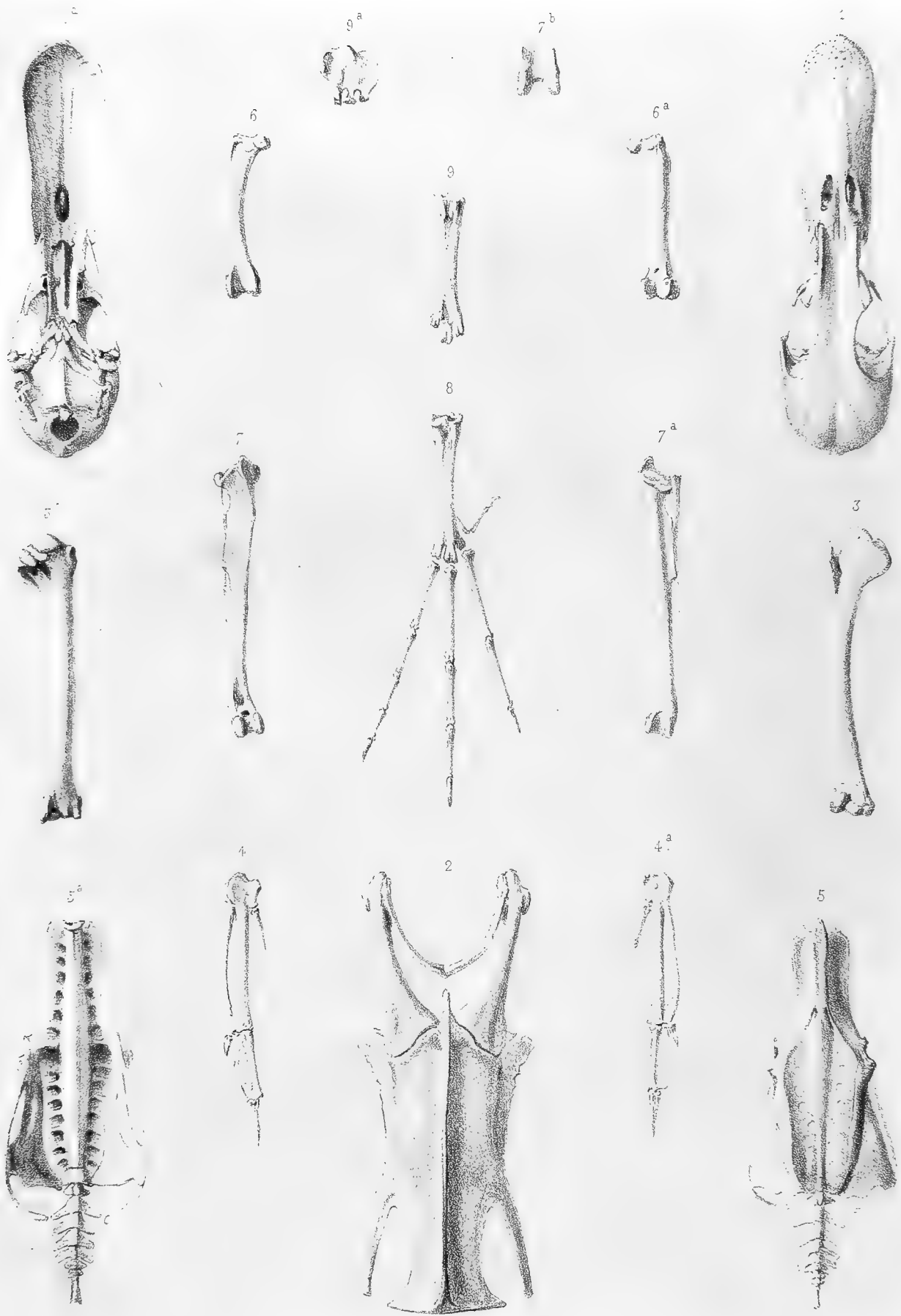


Querquedula gibborifrons, var. *Bernieri*.





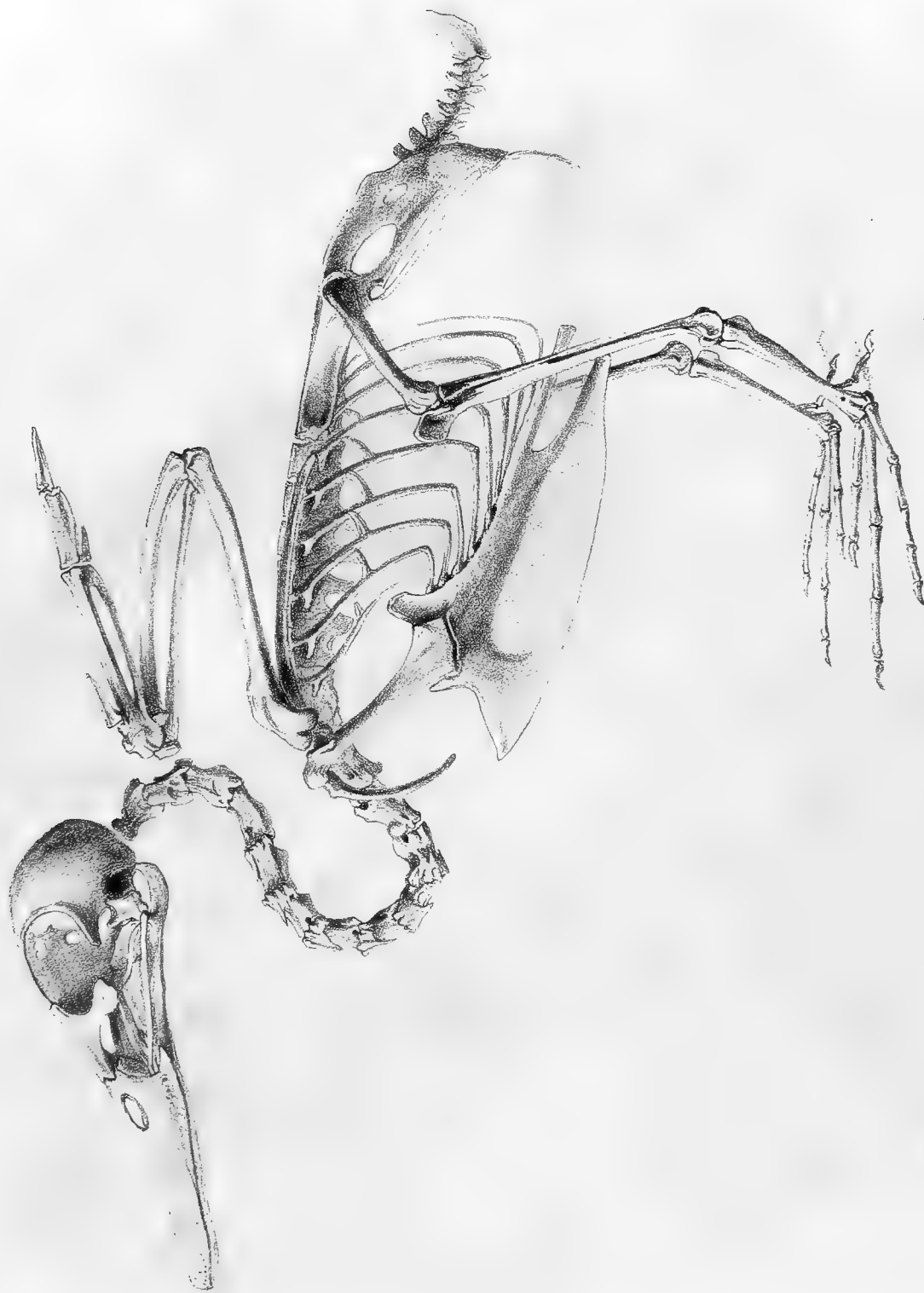


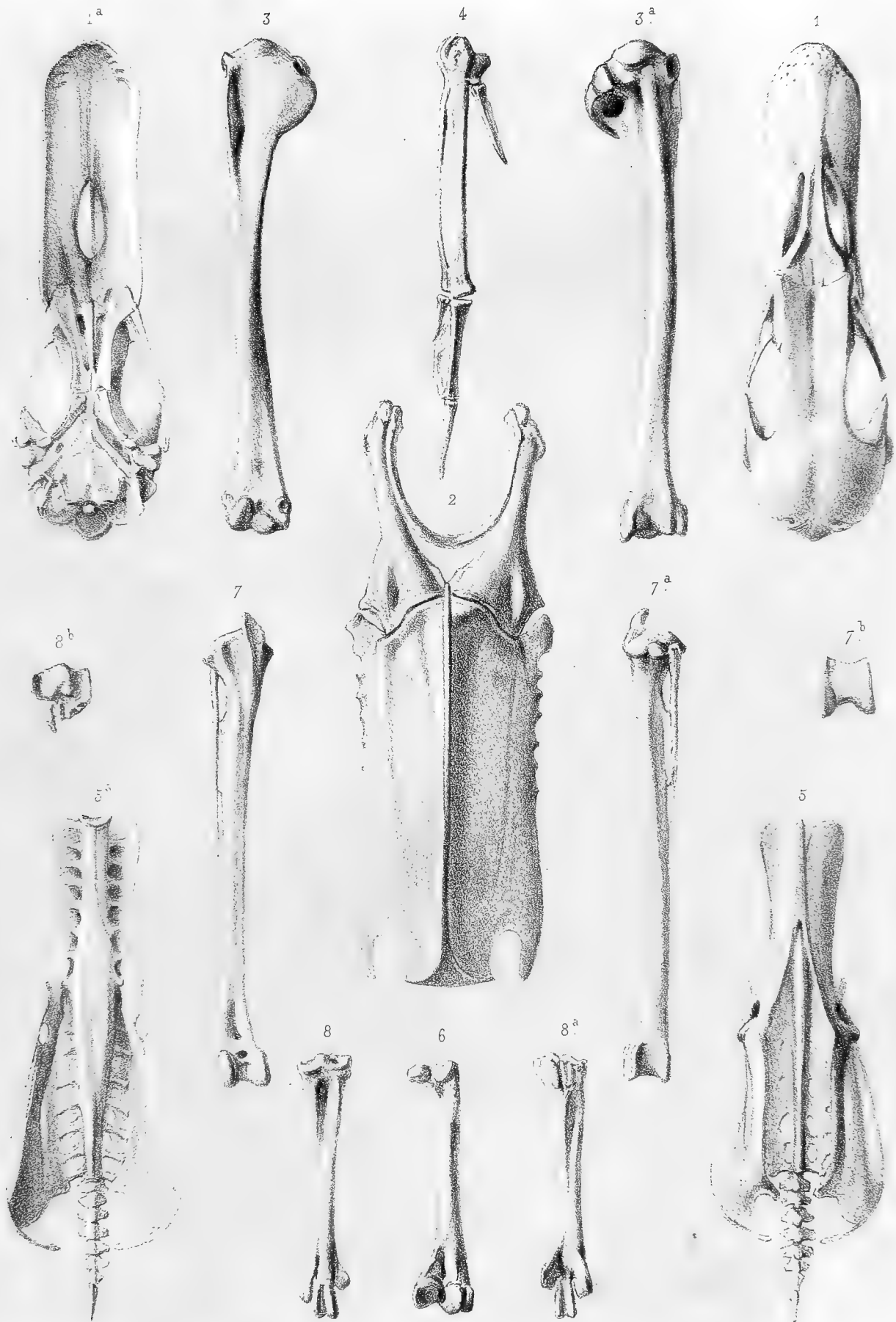


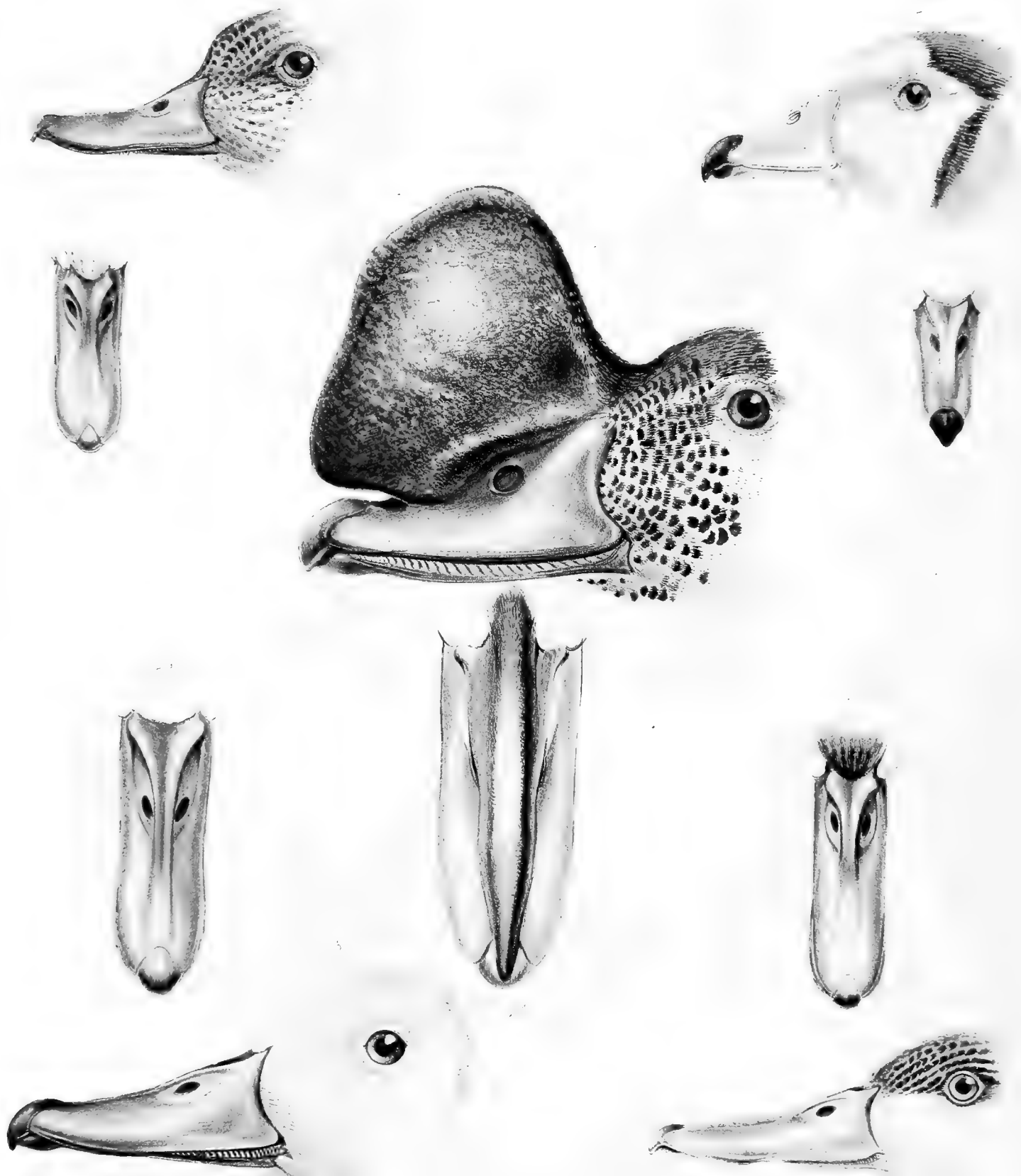


Dendrocygna arcuata, var. major



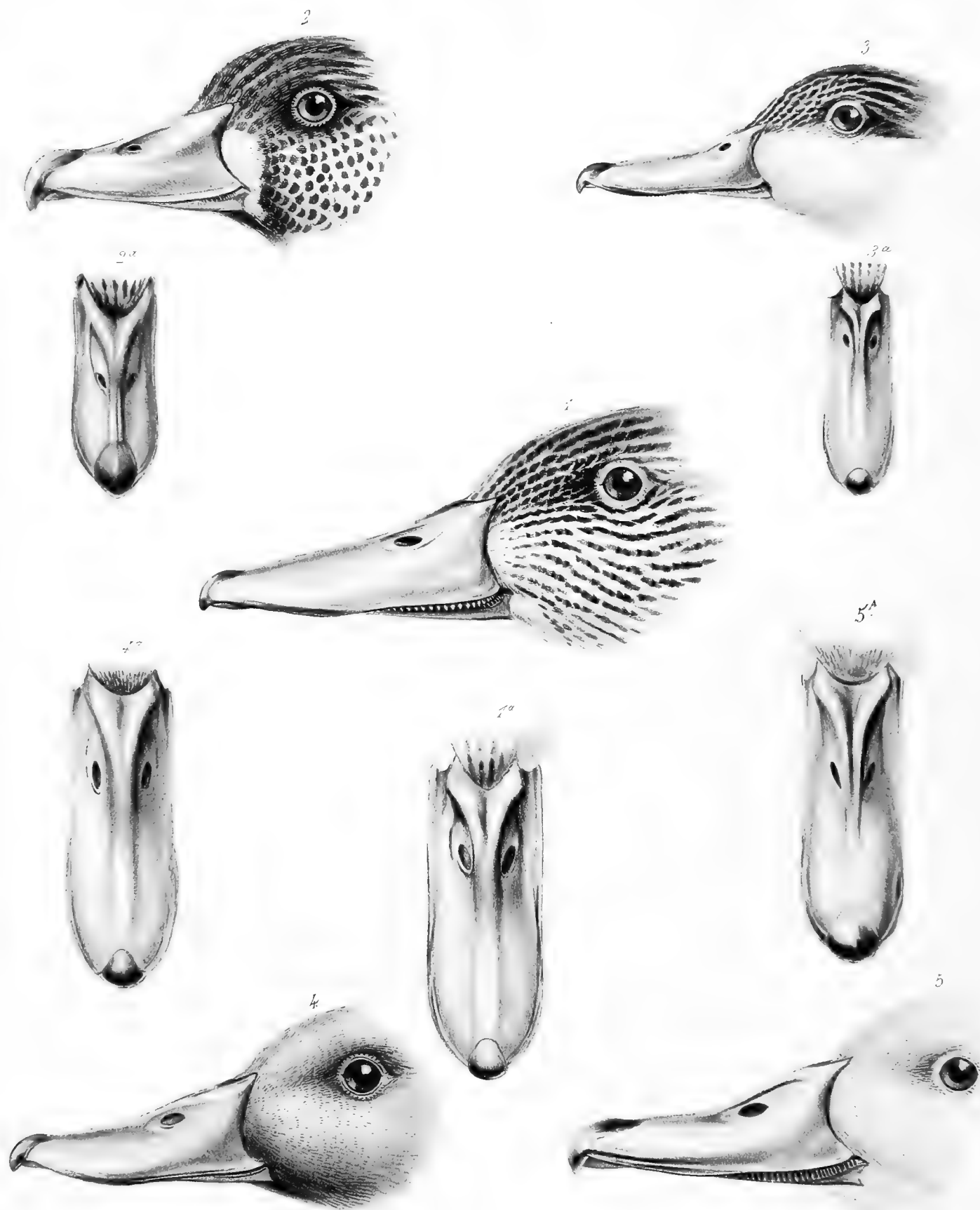






1. *Sarcidinis melanotis*. 2. *Nettion auritus*. 3. *Anas gubberifrons*, var. *Bernieri*.

4. *Anas erythrorhynchos*. 5. *Anas erythrorhynchos*.



1. *Anas Melleri*. - 2. *Thalassornis leuconota*. - 3. *Querquedula hottentota*.

4. *Aythya nyroca*. - 5. *Dendrocygna arcuata*, var major.



Podiceps

Imo Gmelin Pl 276

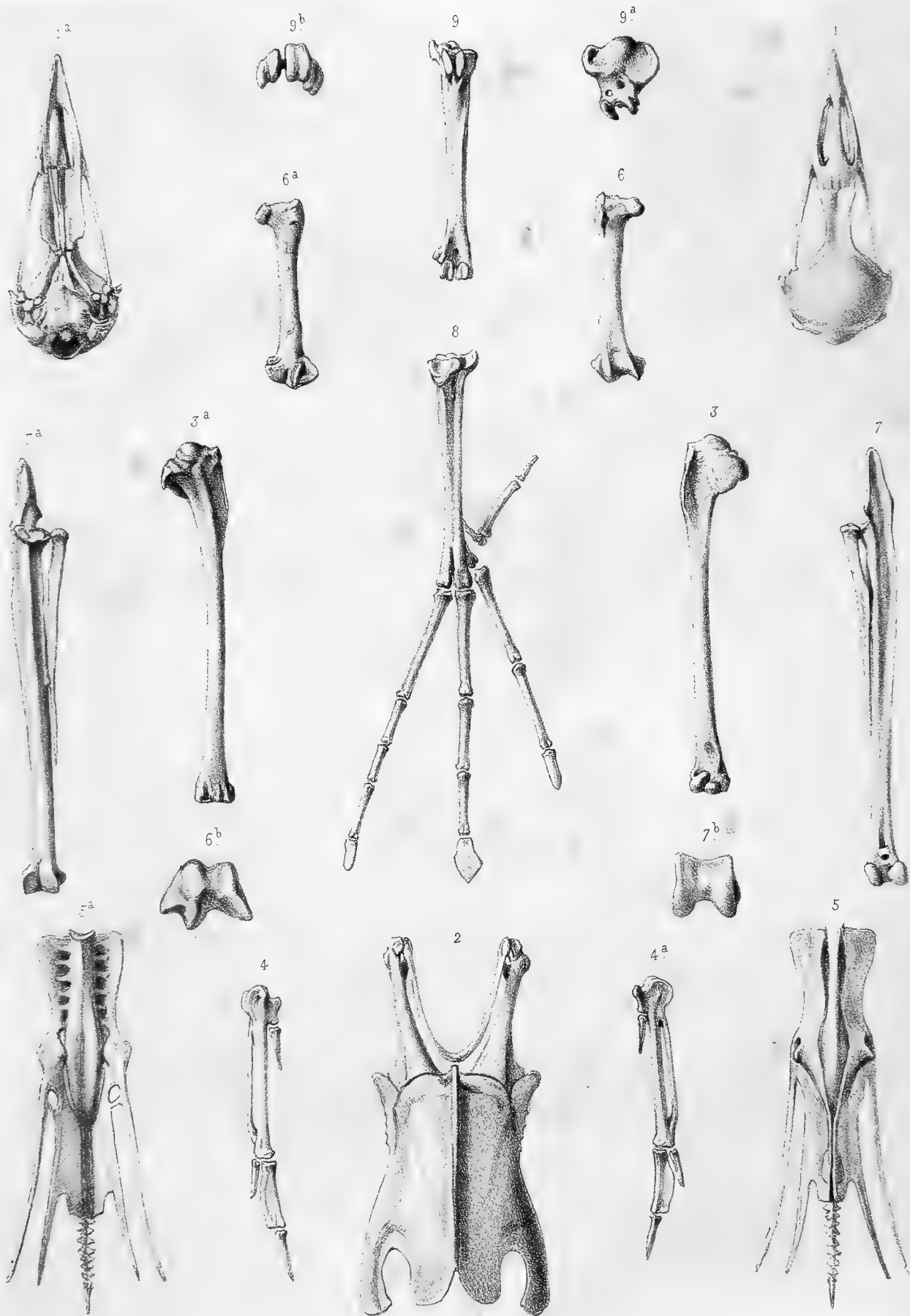
Podiceps Pelzelni.



L. L. L.

F. B. G.

Podiceps Pelzelni

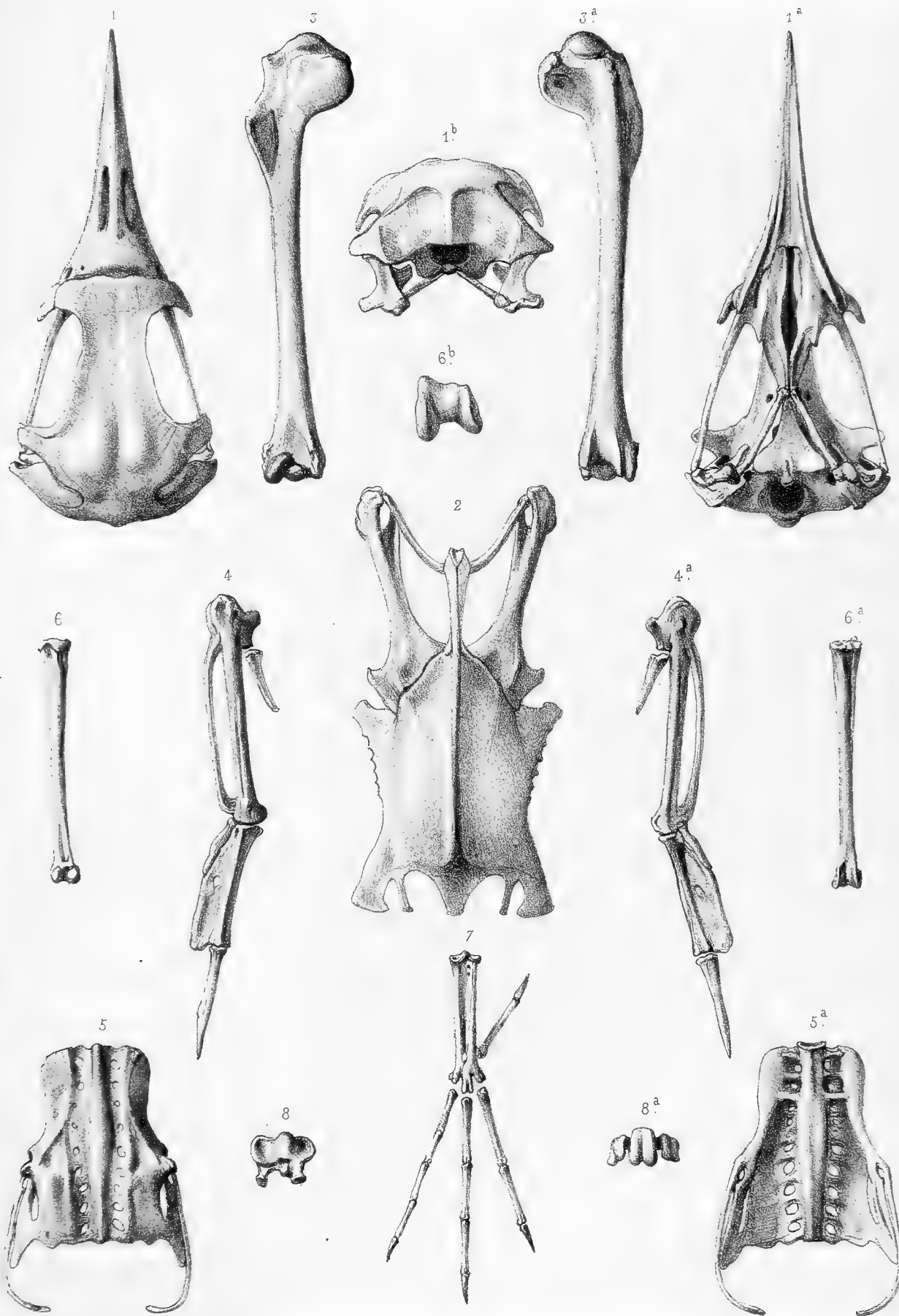




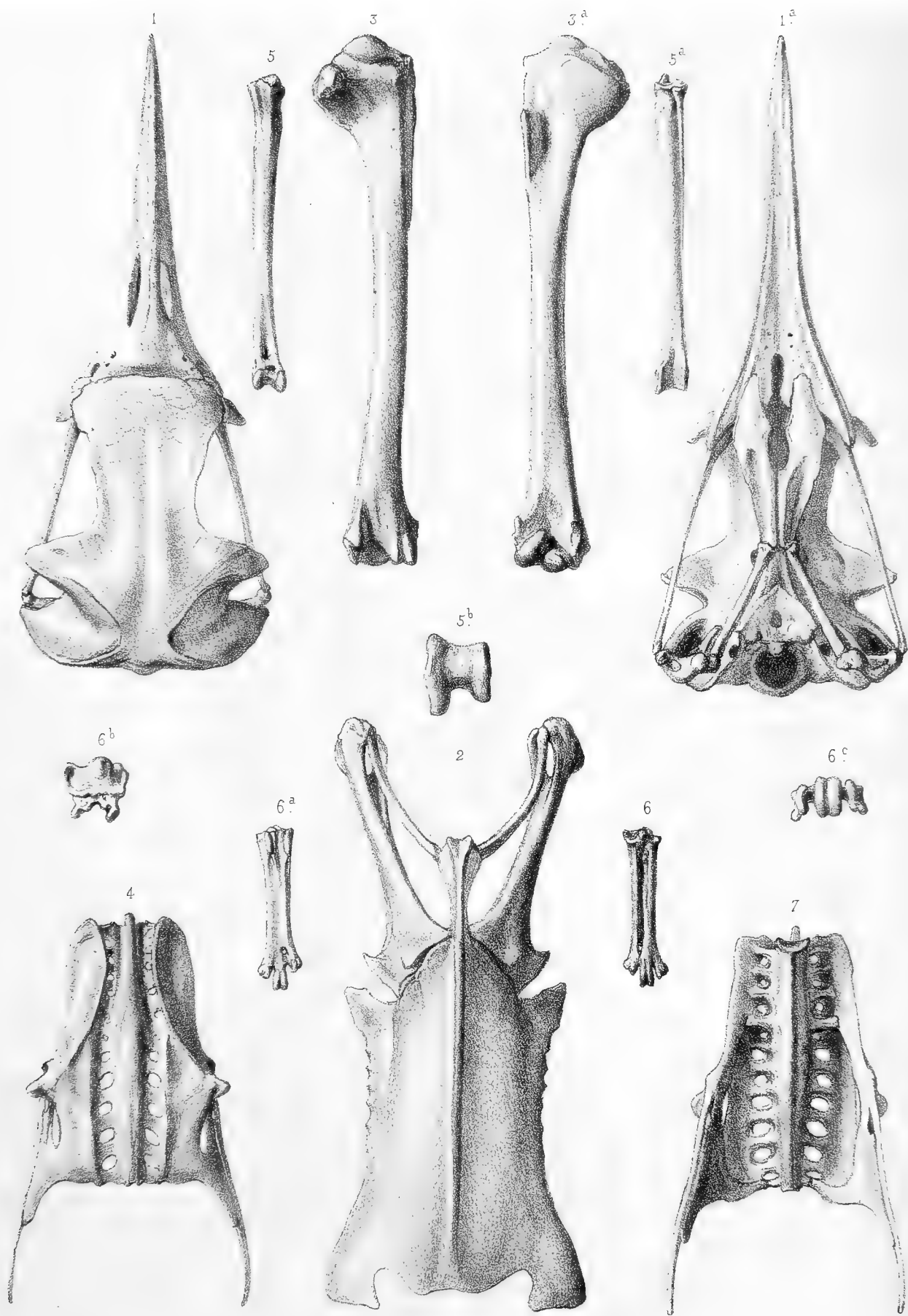


See Supra Page.

Phacton candidus





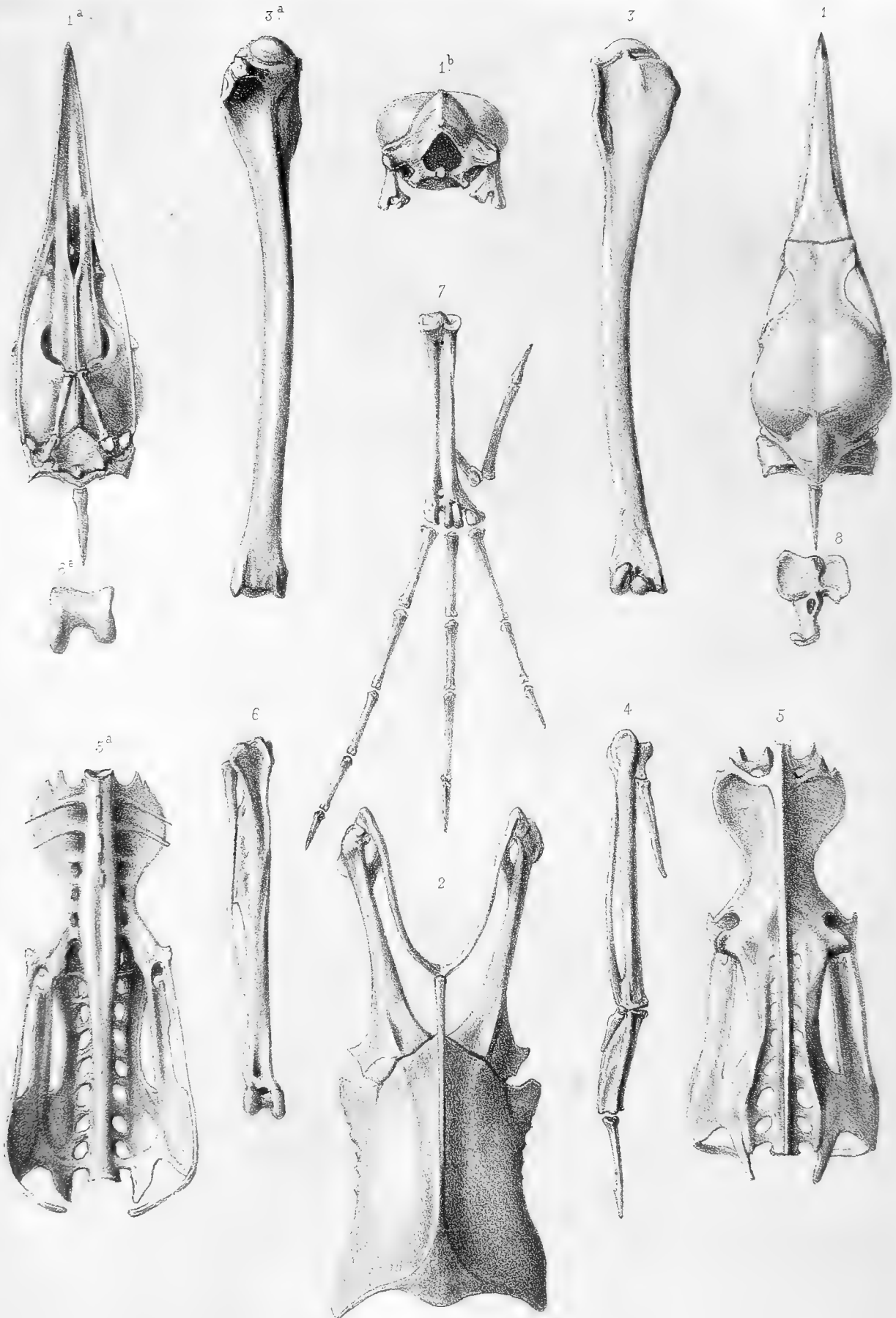


Lacaze de

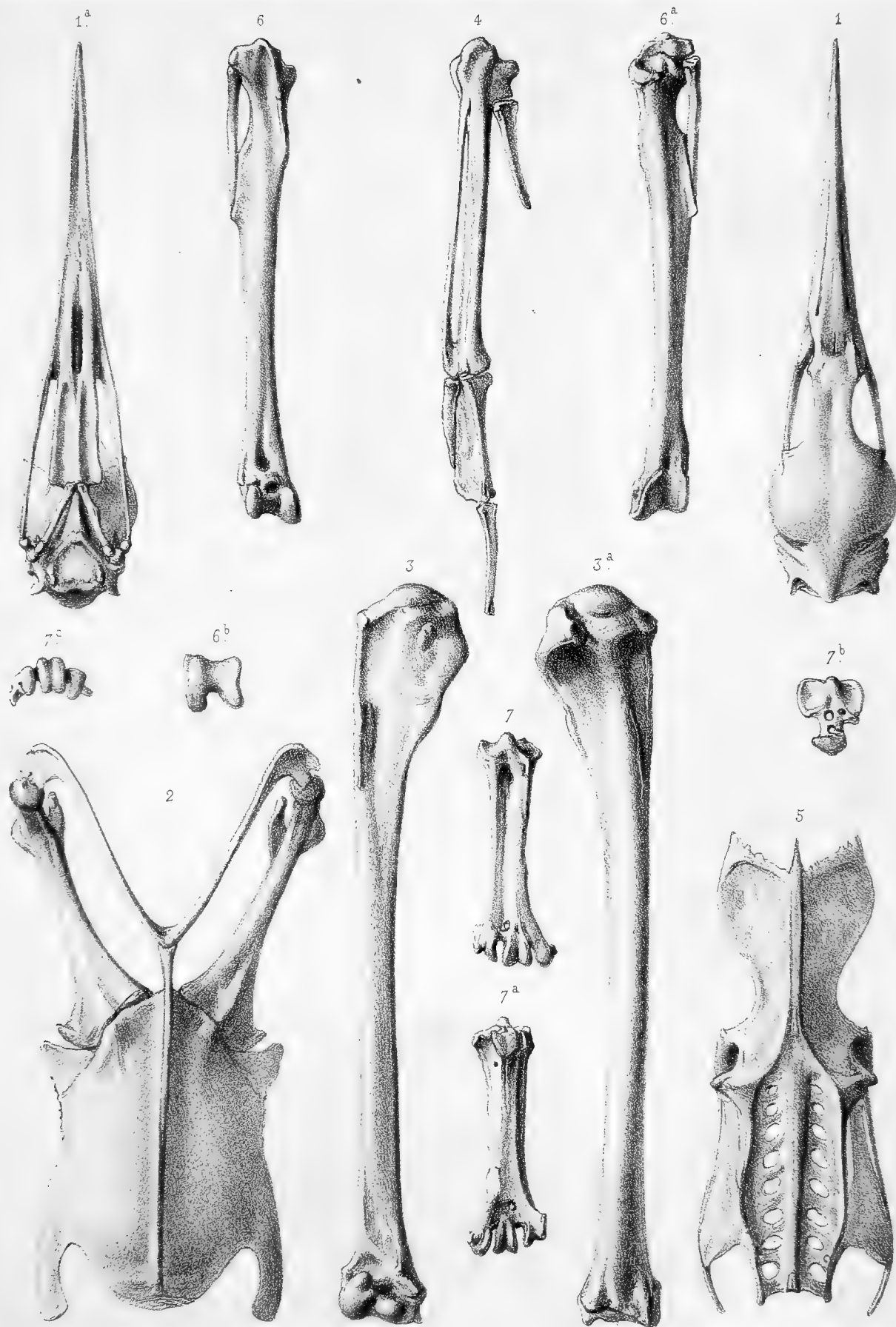
Imp. Biquet, Paris.

Phaelon rubricauda.

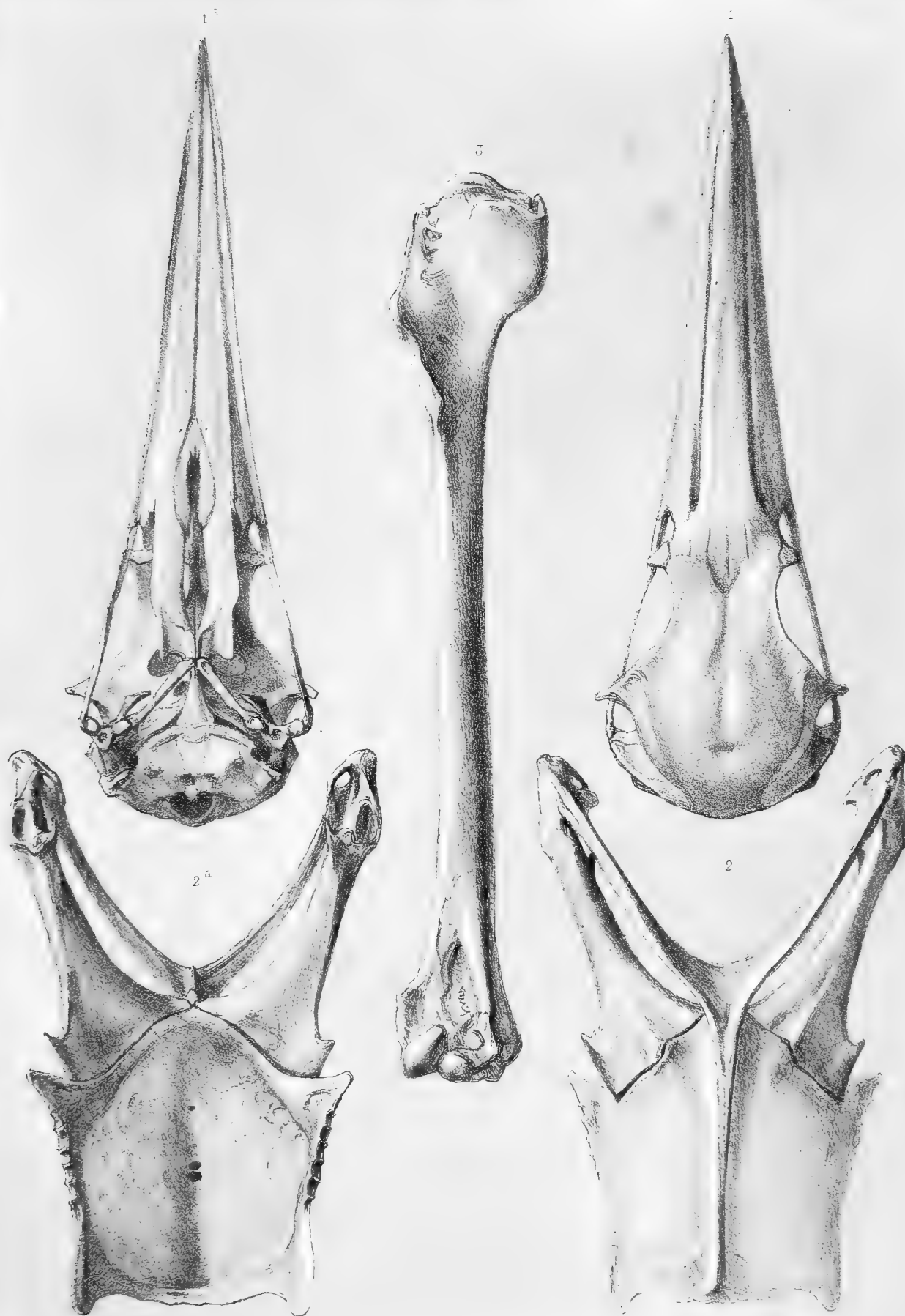


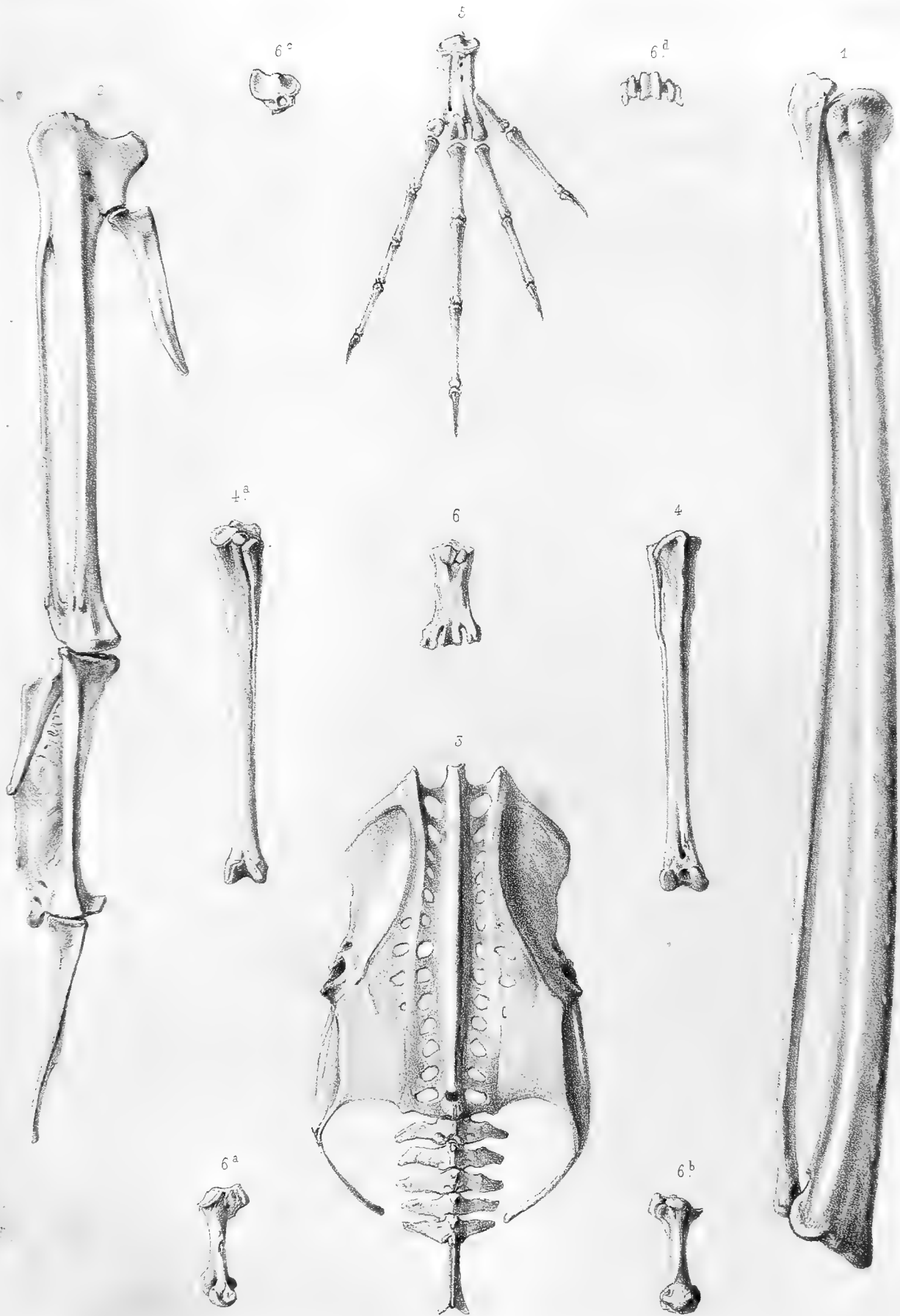


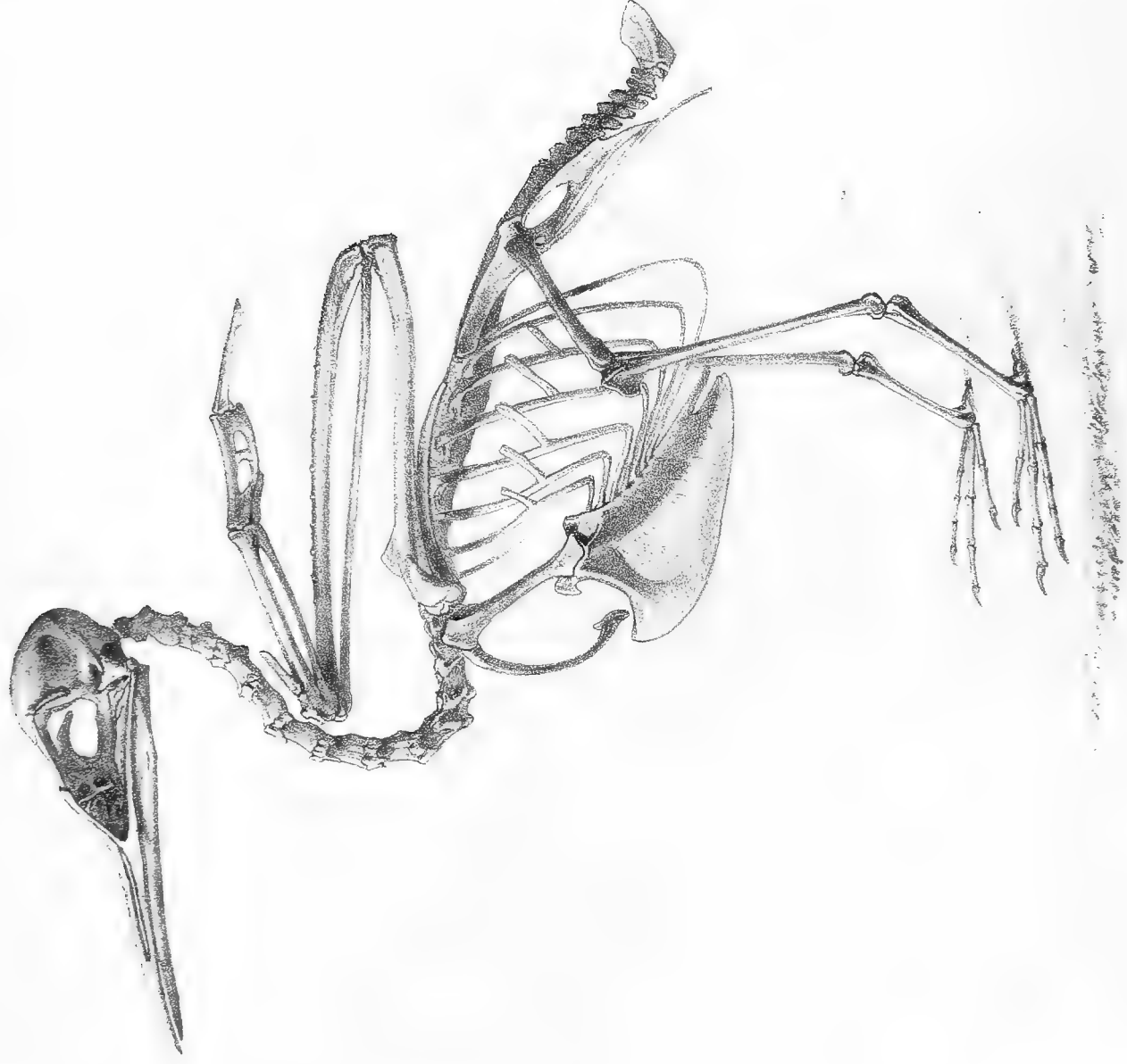


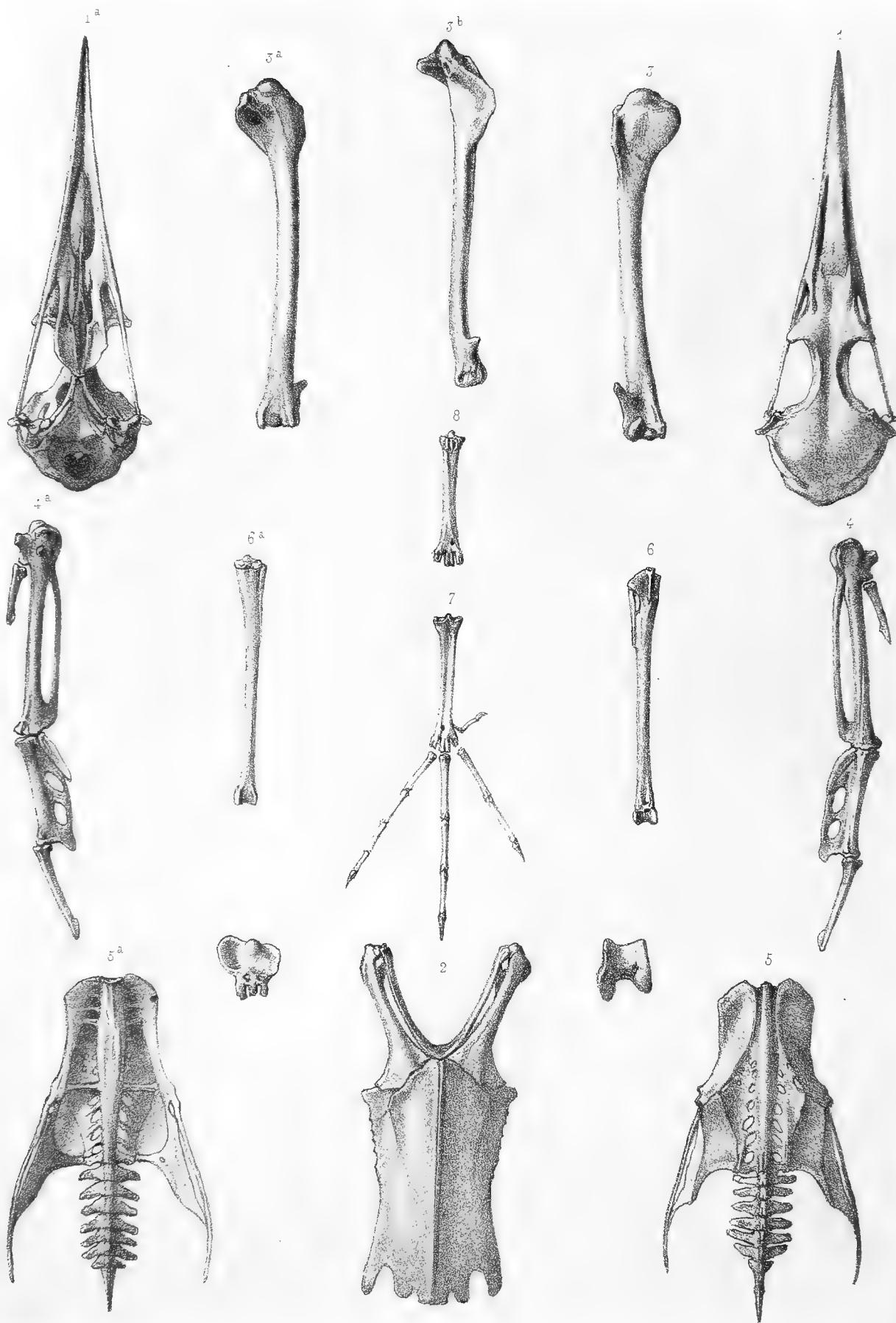


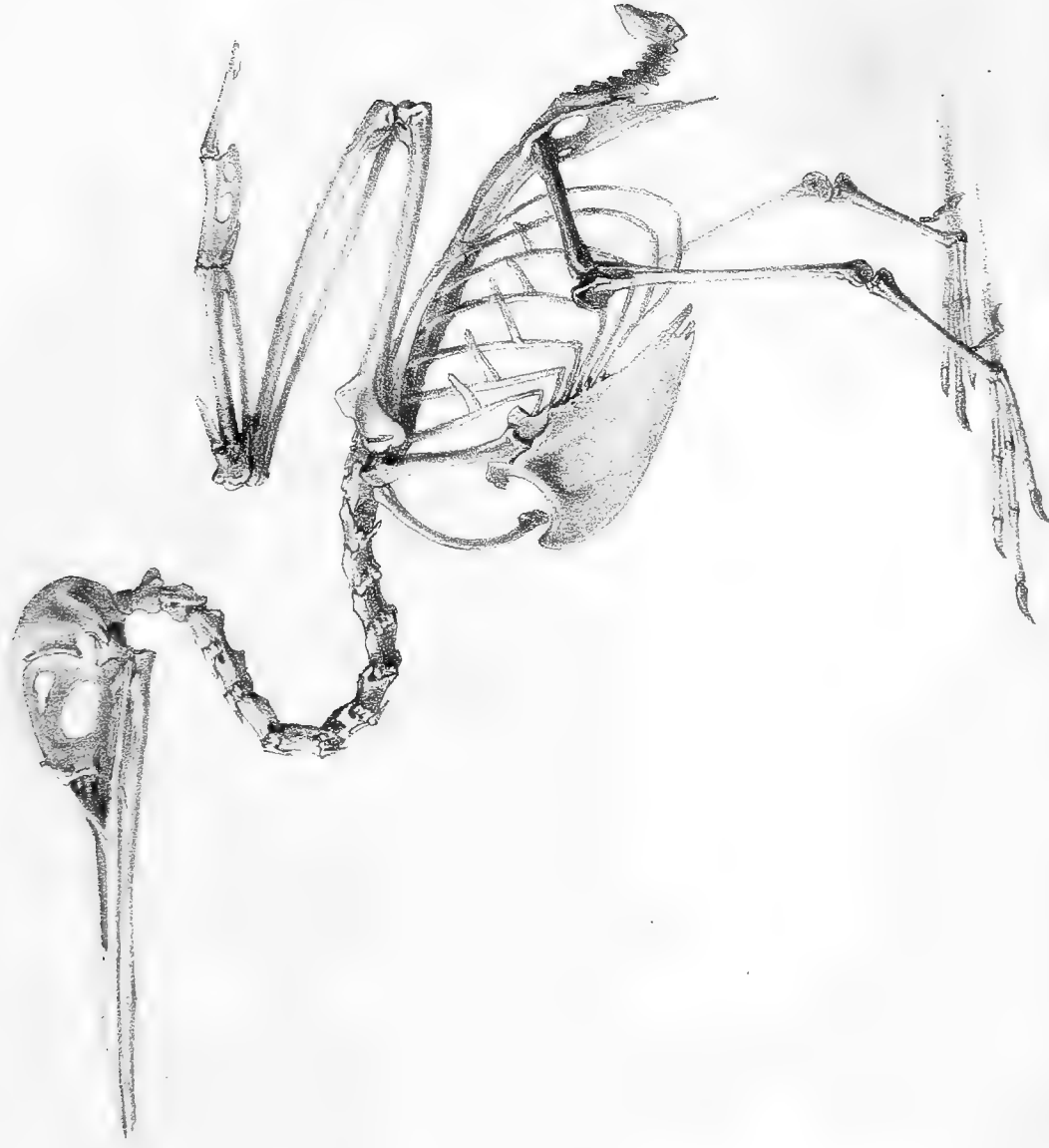


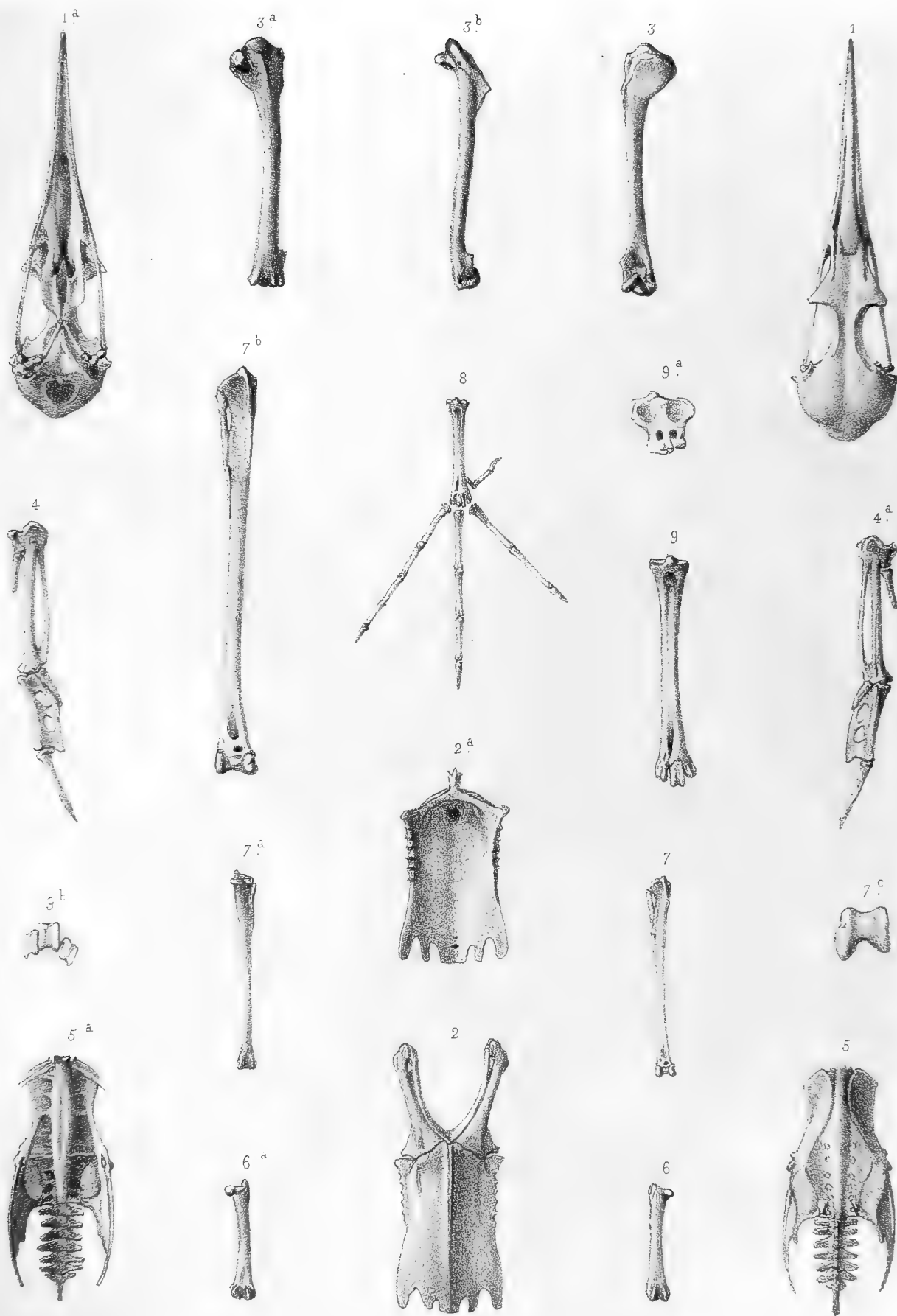




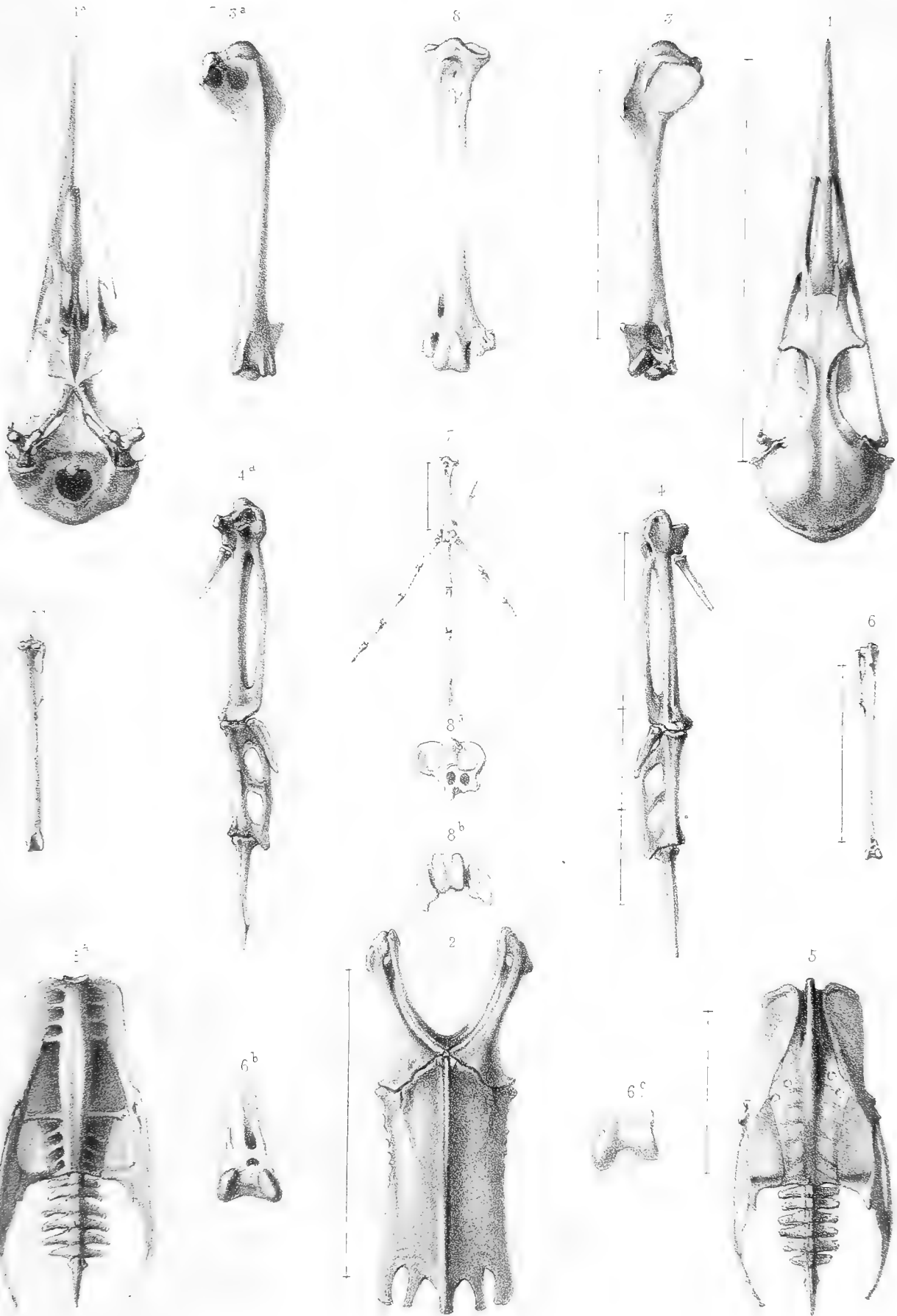


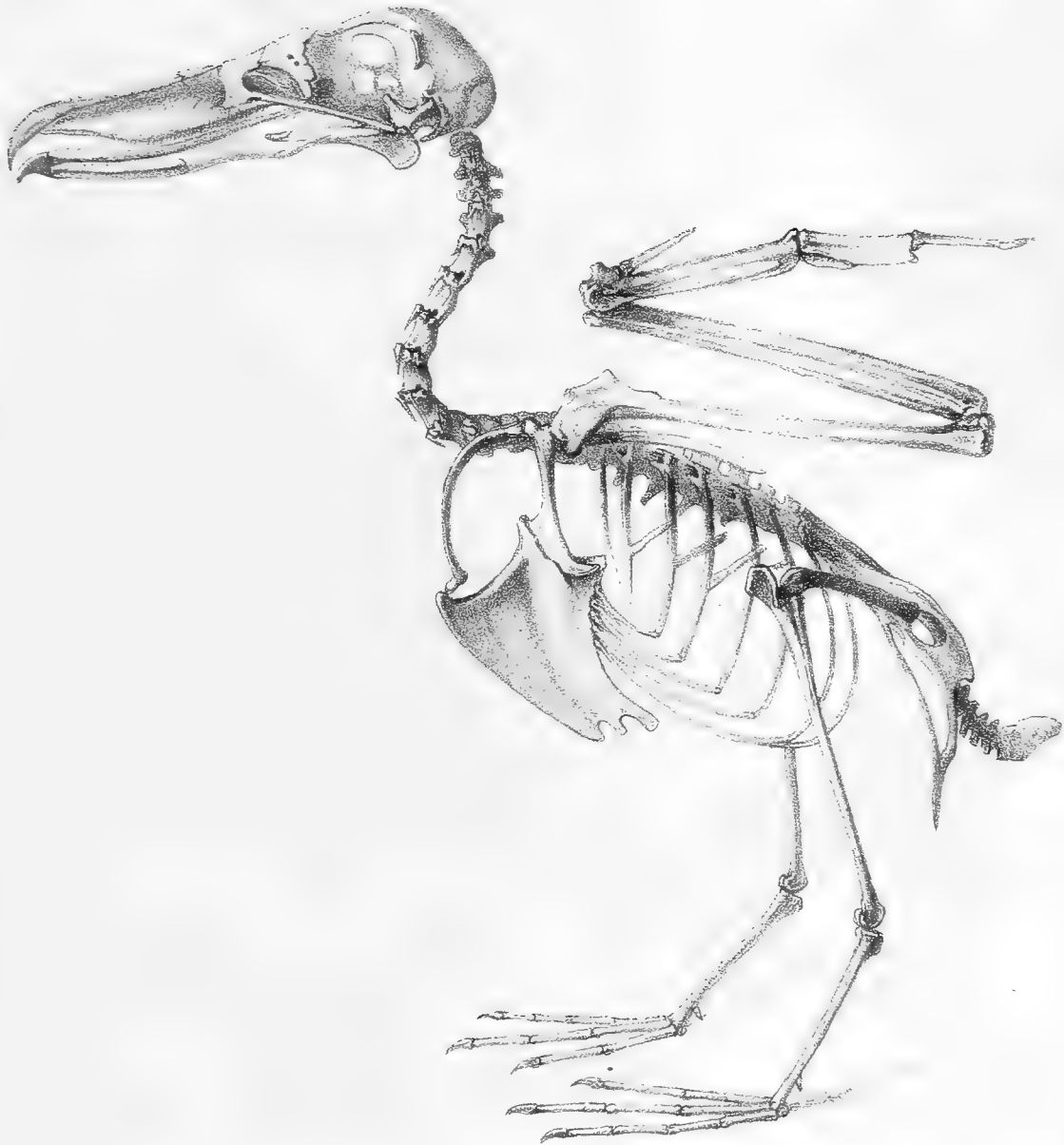




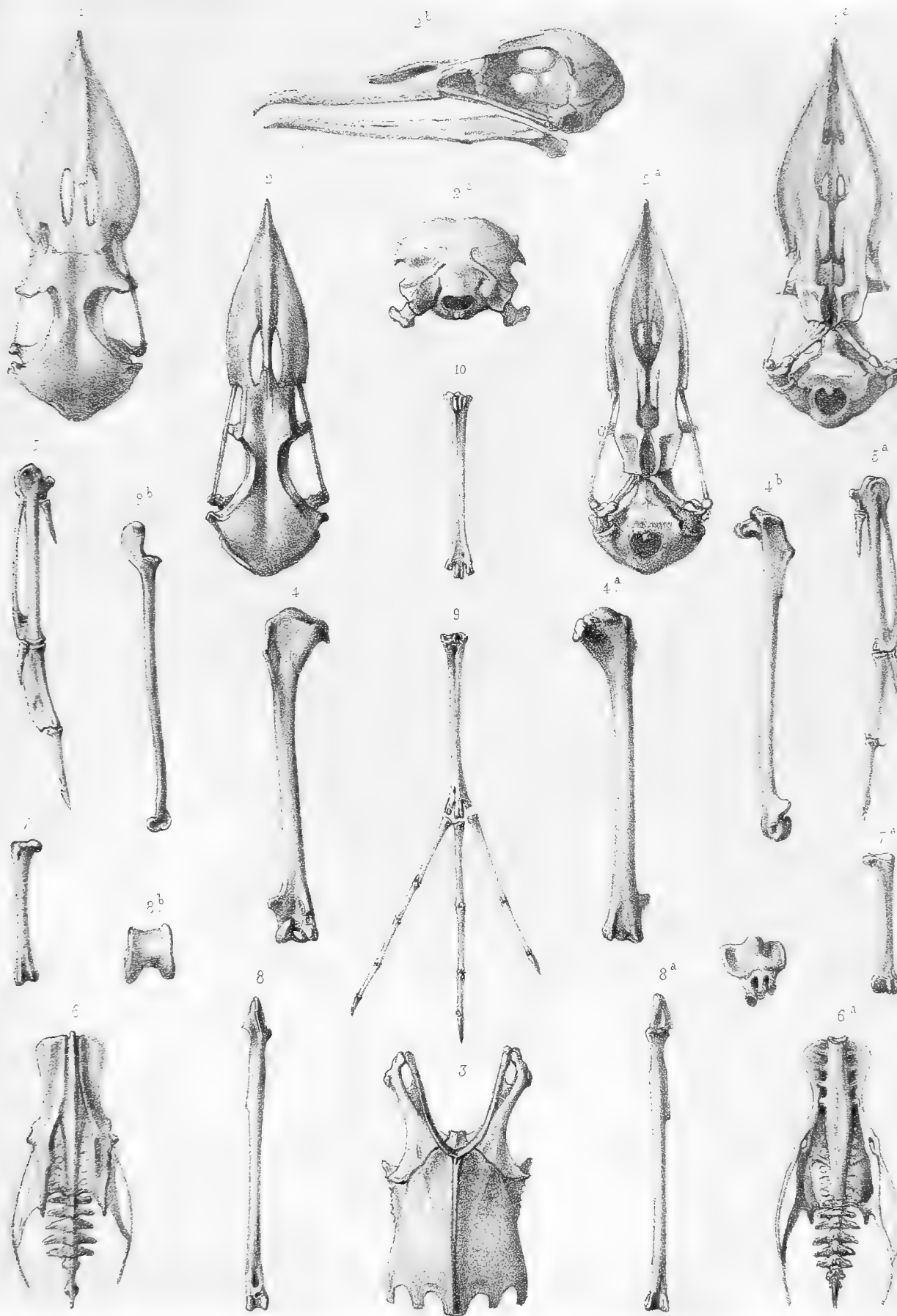




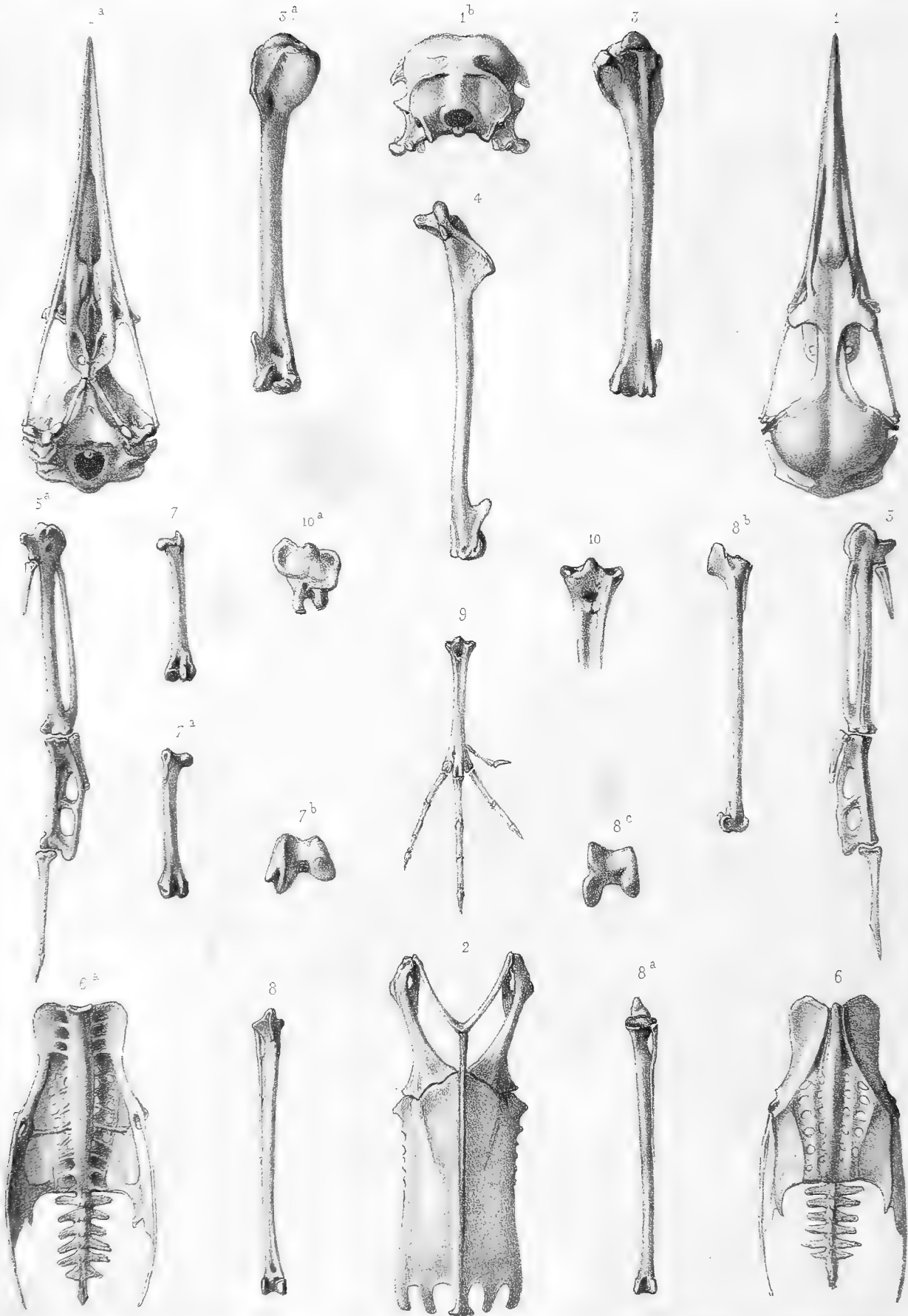


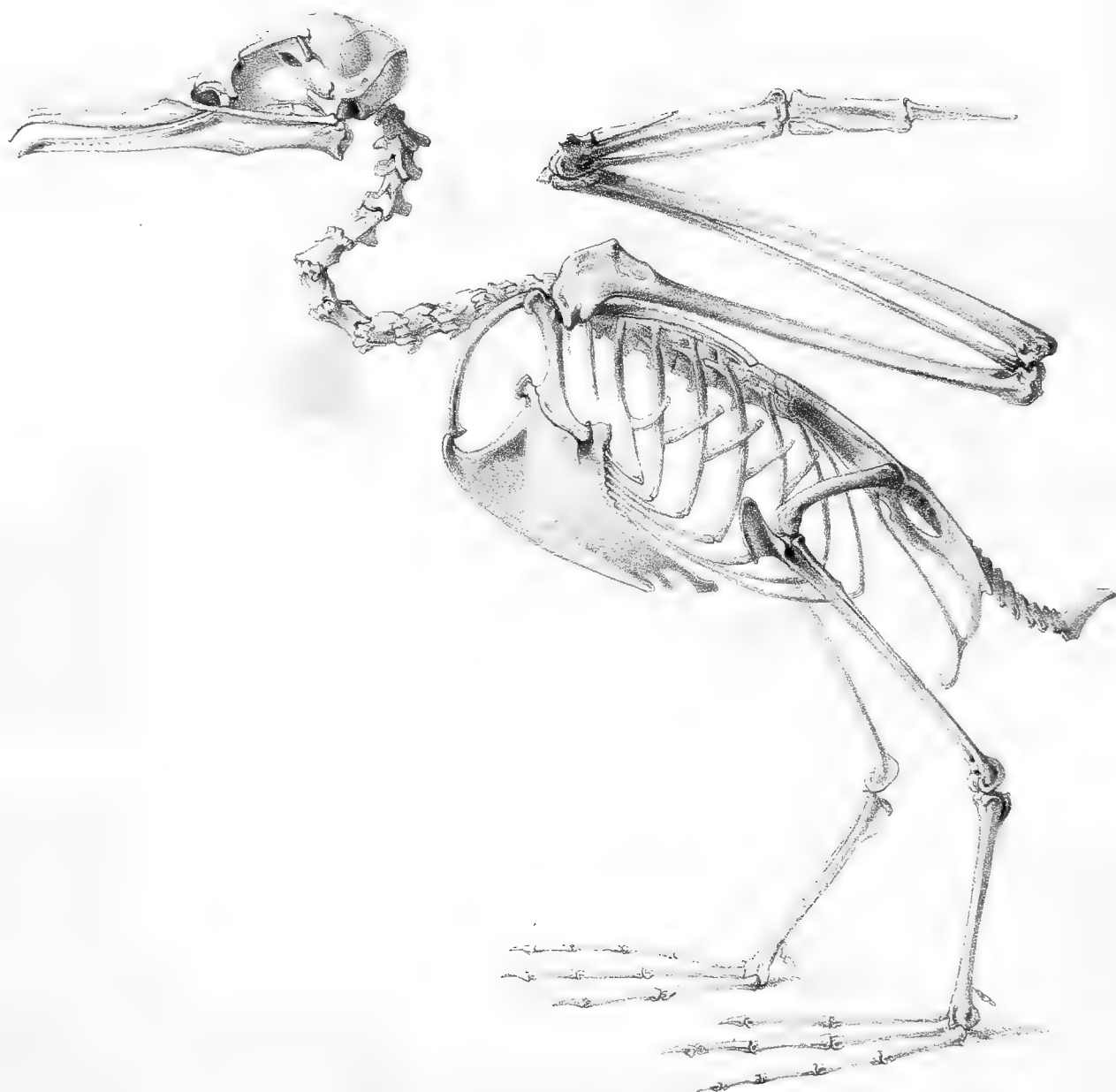


Fregata villosa

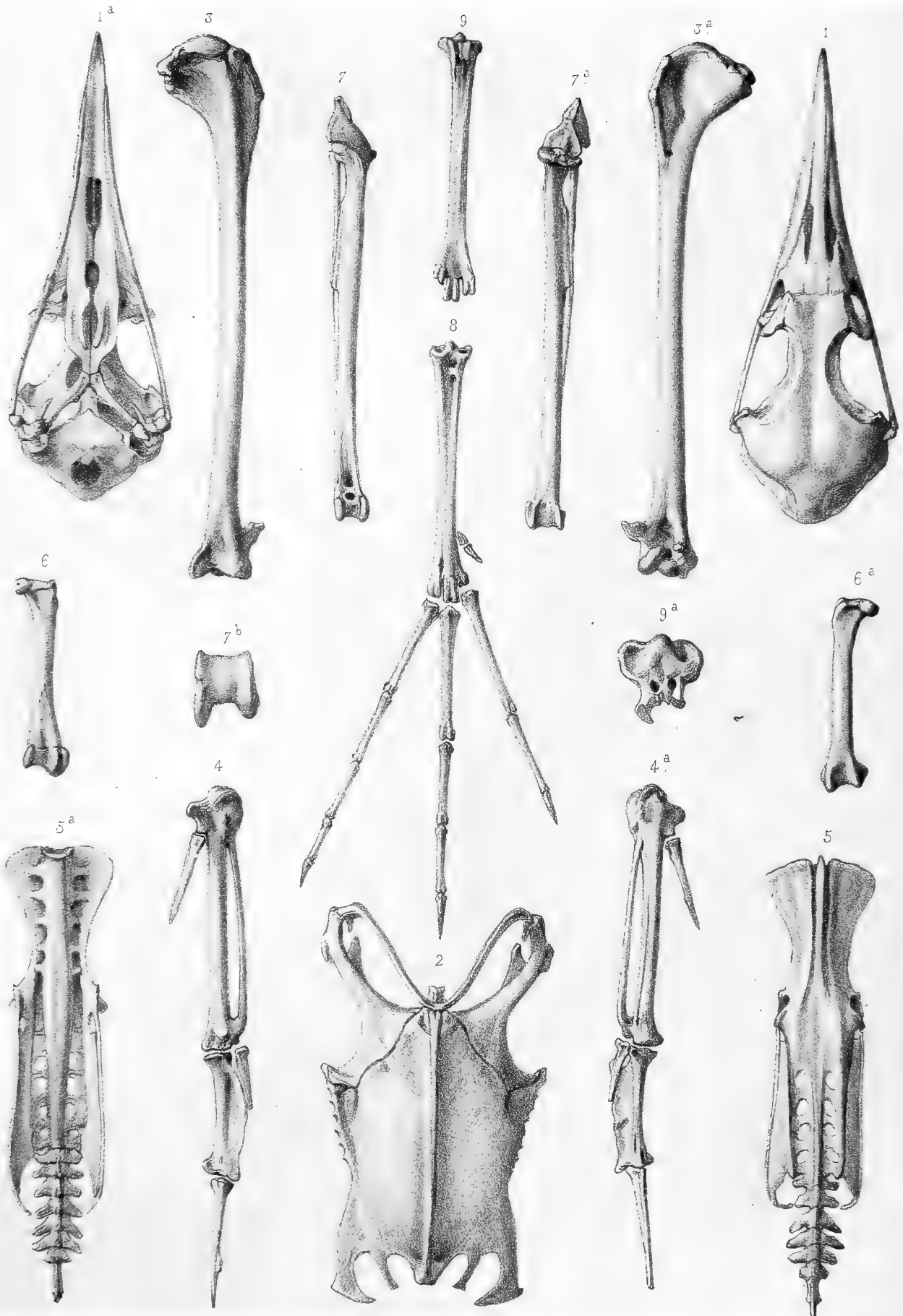




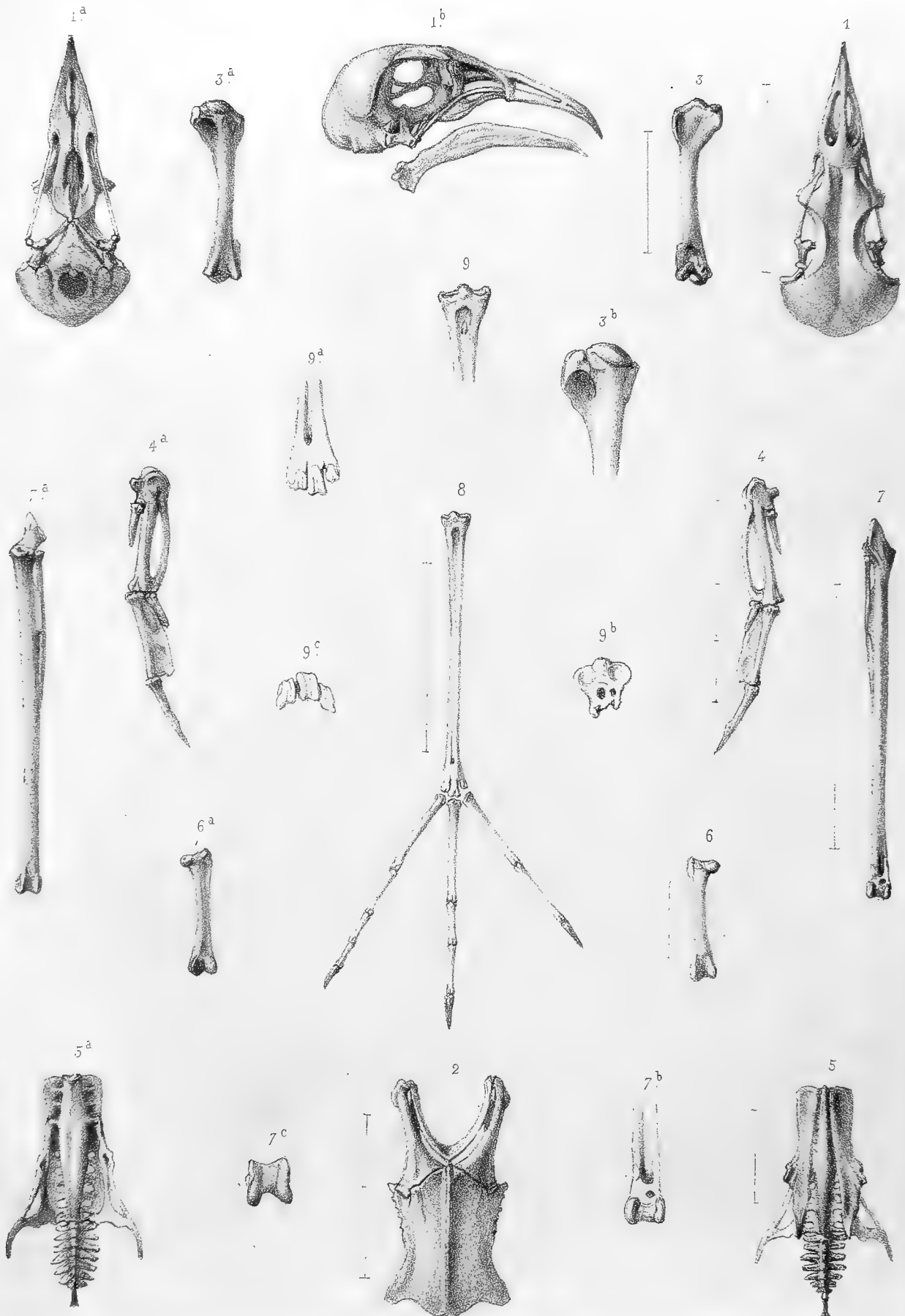




Puffinus chlororhynchus (Linn.)
N. B. The skull is shown in lateral view.







2

1

7

3.^a

3

3.^b

6

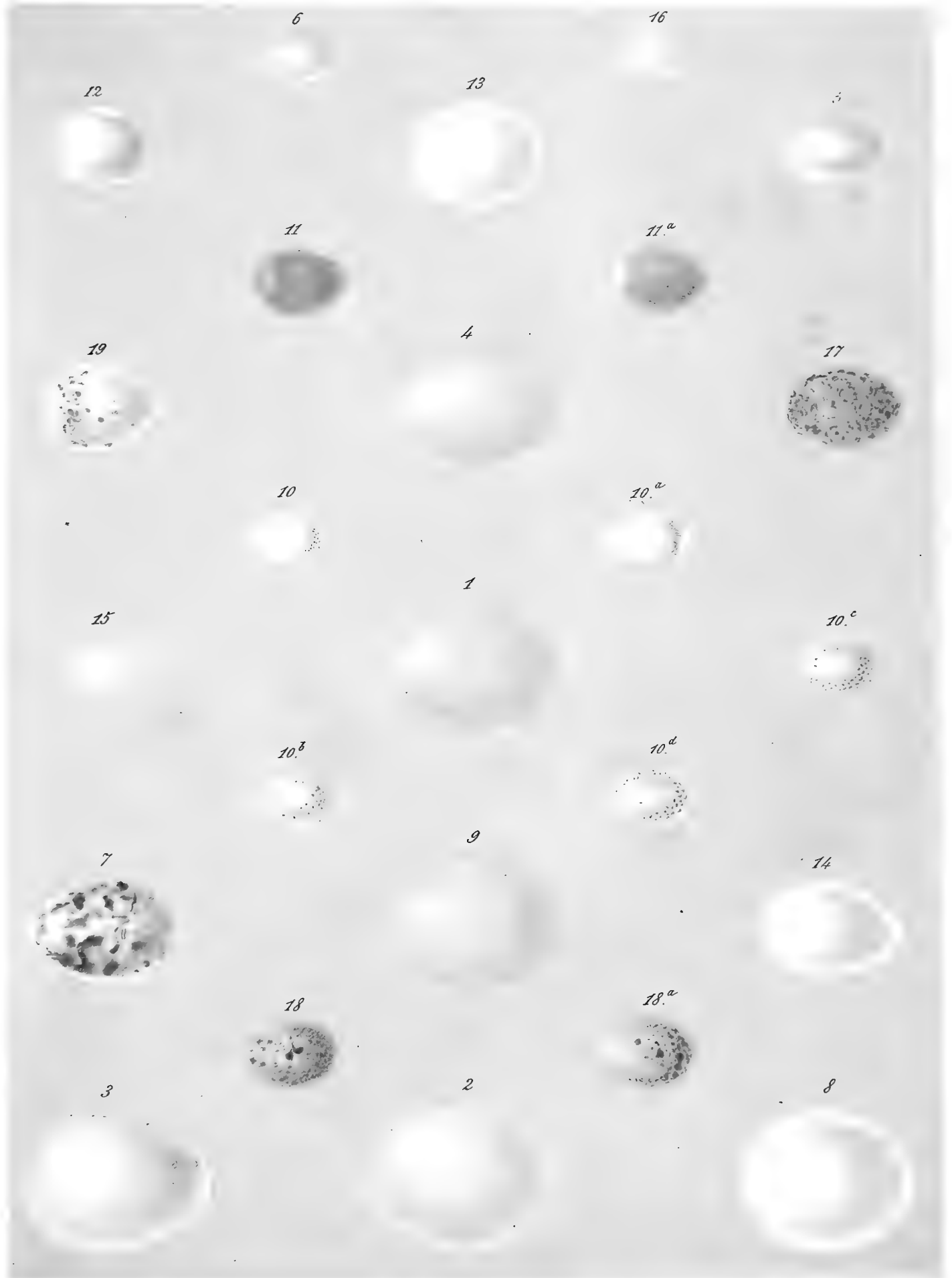
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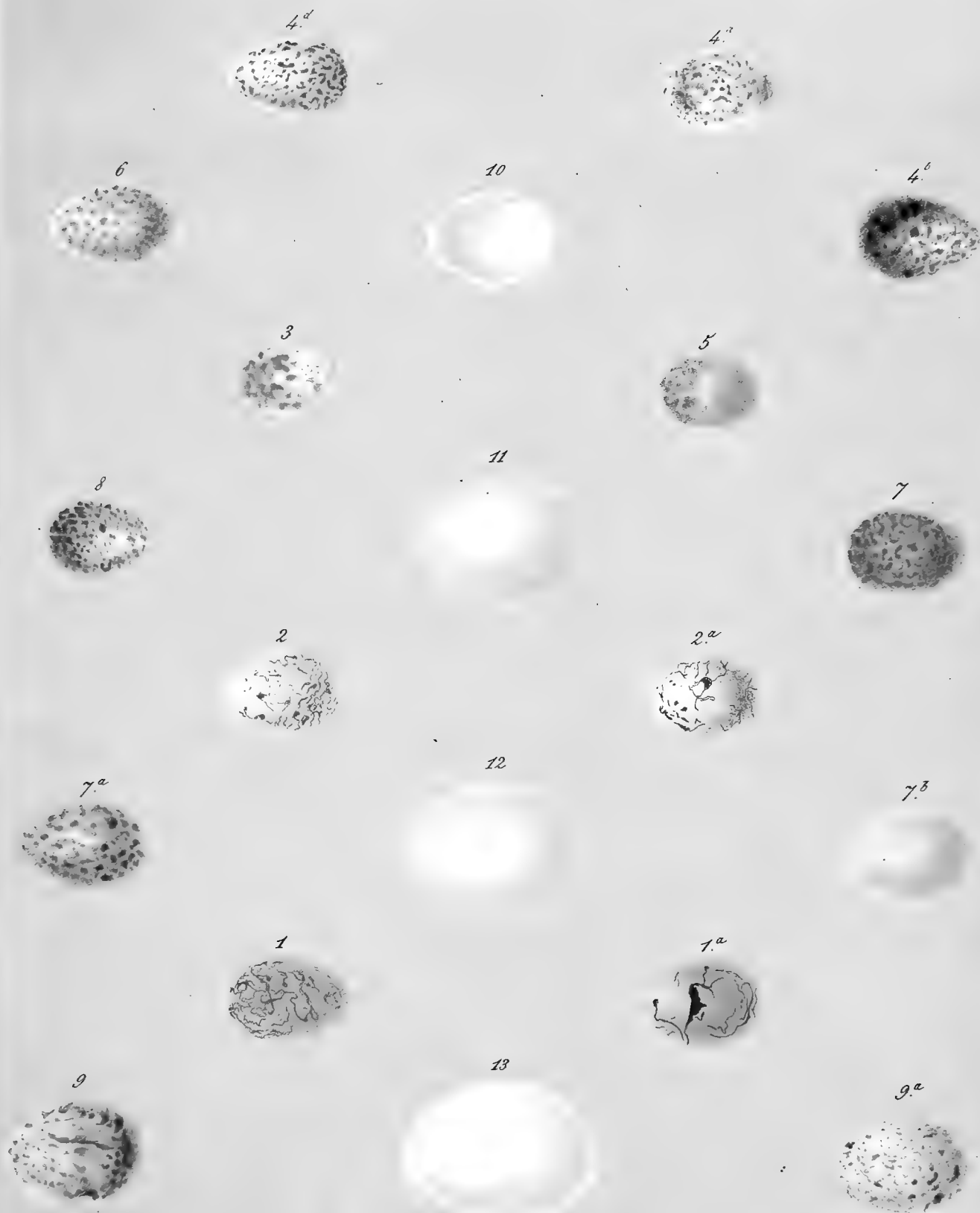
4.^a

1. *Coracopsis obscura* — 2. *C. nigra* — 3. *Tinnunculus Newtonii* — 4. *Milvus korschun*.
5. *Buteo brachypterus* — 6. *Astur Francesii* — 7. *Strix flammea* — 8. *Scops manadensis*.



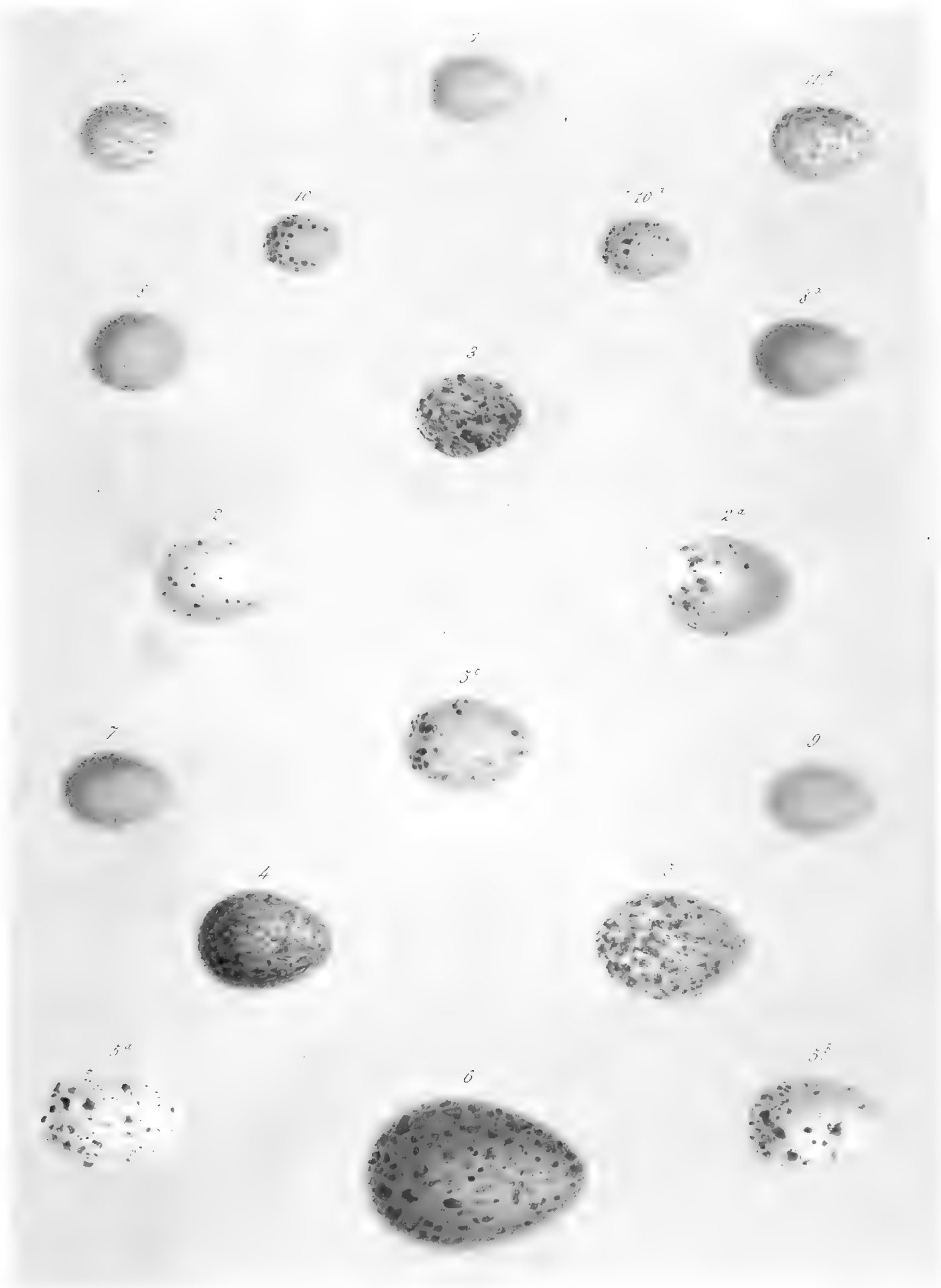
F. de Selys-Longchamps

- 1 *Cena cristata* 2 *C. gigas* 3 *C. olivaceiceps* 4 *Centropus madagascariensis* 5 *Oxytelus parvus* 6 *Collocalia francica*
 7 *Caprimulgus madagascariensis* 8 *Myiophobus glaucus* 9 *Brachypteryx pictus* 10 *Nycturnia vociferans*
 11 *N. nitida* 12 *Corythornis cristatus* 13 *Merops superciliosus* 14 *Phalacrocorax castaneus* 15 *Zosterops madagascariensis*
 16 *Eurosta tenella* 17 *Hirundo madagascariensis* 18 *Bernieria zosterops* 19 *Mystacornis crossleyi*

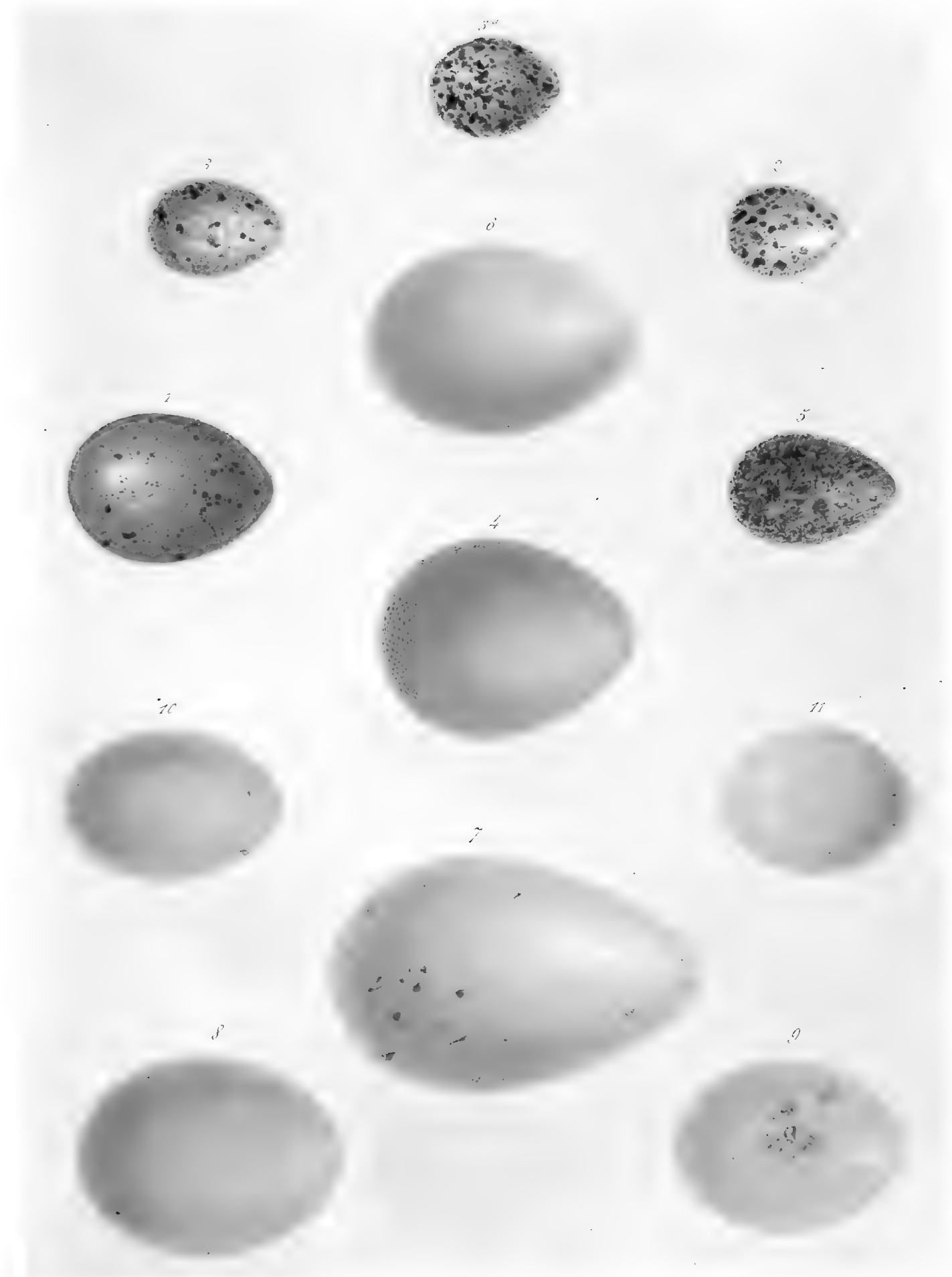


Im. Deshayes Paris

- 1 *Elanus hypoleucus* — 2 *E. luteus* — 3 *Oisticola madagascariensis* — 4 *Calamodytes Newtoni* — 5 *Pratincola torquata* —
 6 *Melospiza flaviventris* — 7 *Oryzopsis albescentis* — 8 *C. pica* — 9 *Hypspetes madagascariensis* — 10 *Coccyzus stricklandi* —
 11 *Turtur polioptila* — 12 *Vinago australis* — 13 *Pluvialis madagascariensis*



1. *Terpophora violata*, 2. *Dicranus perquatus*, 3. *Leptocryptus dubius*, 4. *Campoplex*, 5. *Uraea*, 6. *Uraea*, 7. *Uraea*, 8. *Uraea*, 9. *Uraea*, 10. *Uraea*, 11. *Uraea*, 12. *Uraea*, 13. *Uraea*, 14. *Uraea*, 15. *Uraea*.



1. *Margariperdix striata*. — 2. *Coturnix communis*. — 3. *Turnix nasirocellus*. — 4. *Nasirida fuscata*.
 5. *Charadrius marginatus*, var. *tenellus*. — 6. *Anas nasiriana*. — 7. *Platula Telfairii*.
 8. *Anas purpurea*. — 9. *A. fulva*. — 10. *A. cornuta*. — 11. *A. melanogaster*.



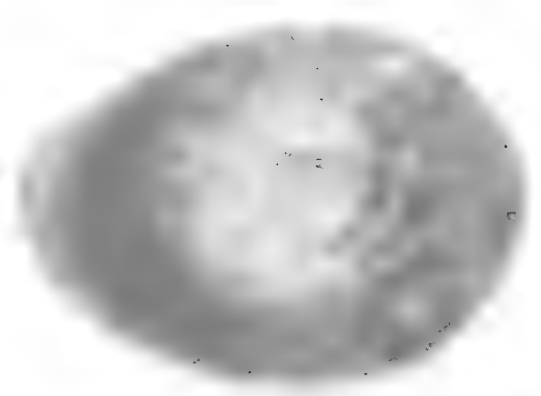
Im. B. 100. 100.

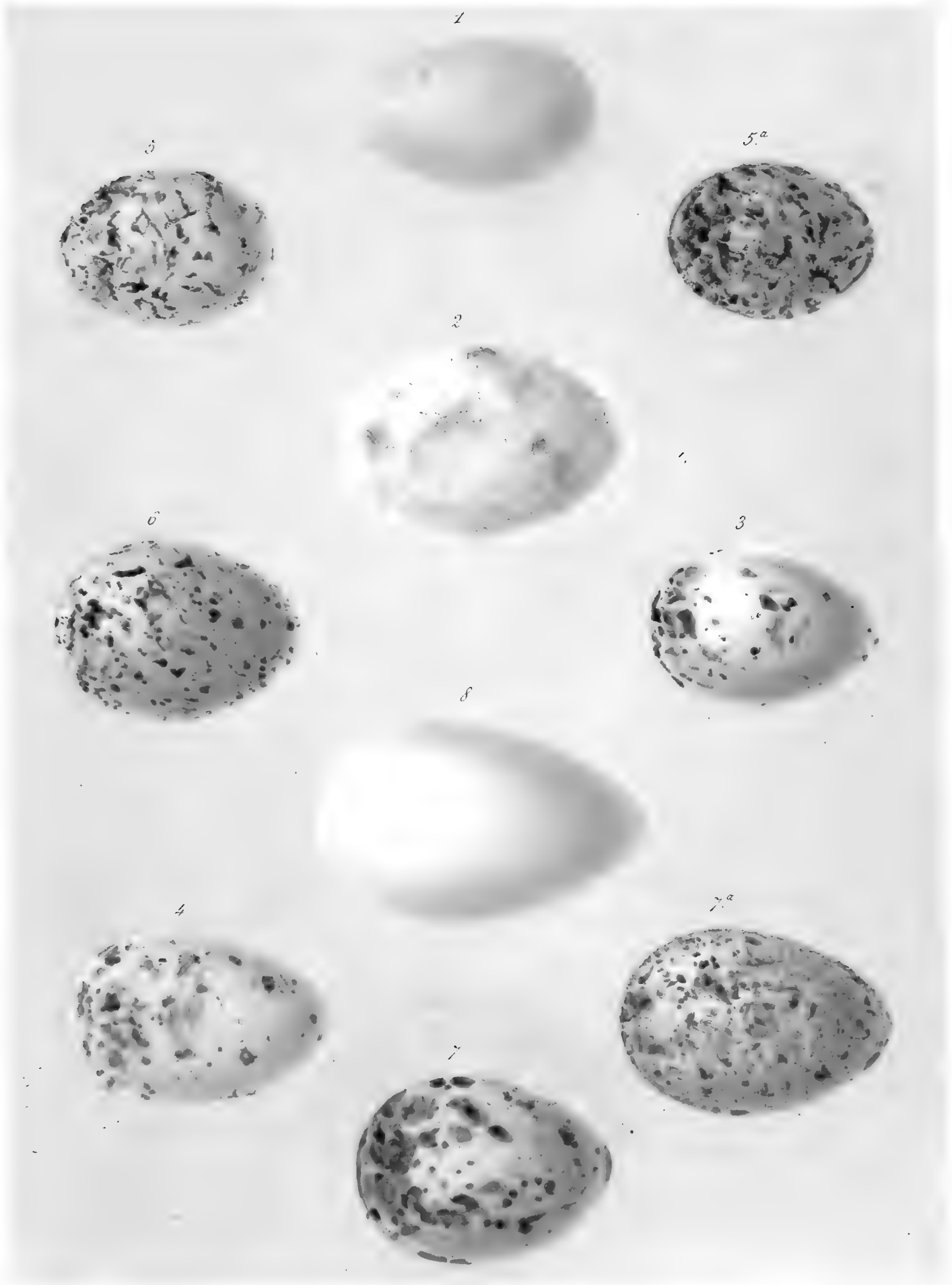
- 1 *Rallus madagascariensis*. — 2. *R. gularis*. — 3. *Canirallus griseofrons*. — 4. *Ortygometra pygmaea*.
 5. *Gallinula chloropus*, var. *pyrrhorrhoa*. — 6. *Porphyrio smaragdinus*. — 7. *Glaucola ocularis*.
 8. *Gallinago nigripennis*, var. *Bernieri*. — 9. *Rhynchæa capensis*. — 10. *Sterna viridis*.



1/2 in. diam.

1. *Nelopus auritus* 2. *Sarcadicornis melanotus* 3. *Anas Melleri* 4. *Dendrocygna viduata*.
5. *Phaeton candidus* 6. *Ph. rubricauda*





1. *Graculus africanus*.—2. *Sula piscator*.—3. *Anous tenuirostris*.—4. *An. stolidus*.—5. *Oryz. candida*.
6. *Sterna anæstheta*.—7. *St. fuliginosa*.—8. *Puffinus chlororhynchus*.

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